

=> d his

(FILE 'HOME' ENTERED AT 13:16:17 ON 29 JAN 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 13:16:43 ON 29 JAN 2004

L1 1160494 S KINASE?
L2 392110 S SERINE OR THREONINE
L3 90883 S L1 AND L2
L4 6344484 S CLON? OR EXPRESS? OR RECOMBINANT
L5 46190 S L3 AND L4
L6 0 S "H2520-59"
L7 2363927 S HYPERPROLIFEATIVE OR IMMUNE OR ANGIOGENESIS OR VASCULOGENESIS
L8 933636 S WOUND(A) HEALING OR DIABETES OR PSORIASIS OR INFLAMMATION
L9 2123 S L5 AND L7
L10 661 S L5 AND L8
L11 2714 S L9 OR L10
L12 3820 S L5 AND CANCER
L13 6212 S L11 OR L12
L14 4513 S HUMAN AND L13
L15 9 S "H2520"
L16 4 DUP REM L15 (5 DUPLICATES REMOVED)
E BOYLAN J/AU
L17 73 S E3
L18 154 S BOWERS A/AU
L19 227 S L17 OR L18
L20 0 S L14 AND L19
L21 4513 S HUMAN (A) L13
L22 19 S L19 AND L1
L23 8 DUP REM L22 (11 DUPLICATES REMOVED)
L24 38200 S L1(A) L2
L25 22140 S L4 AND L24
L26 1107 S L7 AND L25
L27 300 S L8 AND L25
L28 174 S HUMAN AND L27
L29 132 DUP REM L28 (42 DUPLICATES REMOVED)

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
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NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
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NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS EXPRESS			DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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FILE 'HOME' ENTERED AT 13:16:17 ON 29 JAN 2004

=> file medline embase biosis biotechds scisearch hcaplus ntis lifesci		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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FILE 'LIFESCI' ENTERED AT 13:16:43 ON 29 JAN 2004
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=> s kinase?

L1 1160494 KINASE?

=> s serine or threonine

L2 392110 SERINE OR THREONINE

=> s l1 and l2

L3 90883 L1 AND L2

=> s clon? or express? or recombinant

5 FILES SEARCHED...

L4 6344484 CLON? OR EXPRESS? OR RECOMBINANT

=> s l3 and l4

L5 46190 L3 AND L4

=> s "h2520-59"

L6 0 "H2520-59"

=> hyperproliferative or immune or angiogenesis or vasculogenesis

HYPERPROLIFERATIVE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s hyperproliferative or immune or angiogenesis or vasculogenesis

L7 2363927 HYPERPROLIFERATIVE OR IMMUNE OR ANGIOGENESIS OR VASCULOGENESIS

=> s wound(a)healing or diabetes or psoriasis or inflammation

L8 933636 WOUND(A) HEALING OR DIABETES OR PSORIASIS OR INFLAMMATION

=> s cancer

<-----User Break----->

SEARCH ENDED BY USER

=> s l5 or l7

<-----User Break----->

SEARCH ENDED BY USER

=> s l5 and l7

L9 2123 L5 AND L7

=> s l5 and l8

L10 661 L5 AND L8

=> s l9 or l10

L11 2714 L9 OR L10

=> d his

(FILE 'HOME' ENTERED AT 13:16:17 ON 29 JAN 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 13:16:43 ON 29 JAN 2004

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L5 46190 S L3 AND L4

L6 0 S "H2520-59"

L7 2363927 S HYPERPROLIFEATIVE OR IMMUNE OR ANGIOGENESIS OR VASCULOGENESIS

L8 933636 S WOUND(A)HEALING OR DIABETES OR PSORIASIS OR INFLAMMATION

L9 2123 S L5 AND L7

L10 661 S L5 AND L8

L11 2714 S L9 OR L10

=> s l5 and cancer

L12 3820 L5 AND CANCER

=> s l11 or l12

L13 6212 L11 OR L12

=> s human and l13

L14 4513 HUMAN AND L13

=> s "h2520"

L15 9 "H2520"

=> dup rem l15

PROCESSING COMPLETED FOR L15

L16 4 DUP REM L15 (5 DUPLICATES REMOVED)

=> d 1-4 ibib ab

L16 ANSWER 1 OF 4

MEDLINE on STN

DUPLICATE 1

ACCESSION NUMBER: 2003220728 MEDLINE

DOCUMENT NUMBER: 22627058 PubMed ID: 12560209

TITLE: Structural mechanisms of acute VEGF effect on microvessel permeability.

AUTHOR: Fu Bingmei M; Shen Shang

CORPORATE SOURCE: Department of Mechanical Engineering, University of Nevada,

Las Vegas, 89154, USA.. bmfu@nscee.edu
CONTRACT NUMBER: R15 CA-86847-01 (NCI)
SOURCE: AMERICAN JOURNAL OF PHYSIOLOGY. HEART AND CIRCULATORY
PHYSIOLOGY, (2003 Jun) 284 (6) H2124-35.
Journal code: 100901228. ISSN: 0363-6135.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200306
ENTRY DATE: Entered STN: 20030514
Last Updated on STN: 20030621
Entered Medline: 20030620

AB To investigate the ultrastructural mechanisms of acute microvessel hyperpermeability by vascular endothelial growth factor (VEGF), we combined a mathematical model (J Biomech Eng 116: 502-513, 1994) with experimental data of the effect of VEGF on microvessel hydraulic conductivity (L(p)) and permeability of various-sized solutes. We examined the effect of VEGF on microvessel permeability to a small solute (sodium fluorescein, Stokes radius 0.45 nm), an intermediate solute (alpha-lactalbumin, Stokes radius 2.01 nm), and a large solute [albumin (BSA), Stokes radius 3.5 nm]. Exposure to 1 nM VEGF transiently increased apparent permeability to 2.3, 3.3, and 6.2 times their baseline values for sodium fluorescein, alpha-lactalbumin, and BSA, respectively, within 30 s, and all returned to control within 2 min. On the basis of L(p) (DO Bates and FE Curry. Am J Physiol Heart Circ Physiol 271: H2520-H2528, 1996) and permeability data, the prediction from the model suggested that the most likely structural changes in the interendothelial cleft induced by VEGF would be a approximately 2.5-fold increase in its opening width and partial degradation of the surface glycocalyx.

L16 ANSWER 2 OF 4 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-08594 BIOTECHDS

TITLE: Novel human serine threonine kinase member, designated h2520-40 polypeptide useful for treating immune disorders, angiogenesis, diabetes mellitus, psoriasis, hepatitis, cirrhosis, rheumatoid arthritis, cancer; virus vector-mediated recombinant fusion protein gene transfer and expression in host cell, transgenic animal and bioinformatics for disease diagnosis and gene therapy

AUTHOR: BOYLAN J F; BOWERS A J
PATENT ASSIGNEE: AMGEN INC
PATENT INFO: WO 2002092760 21 Nov 2002
APPLICATION INFO: WO 2002-US14460 9 May 2002
PRIORITY INFO: US 2001-290276 10 May 2001; US 2001-290276 10 May 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-120668 [11]

AB DERWENT ABSTRACT:

NOVELTY - An isolated human serine threonine kinase member, designated h2520-40 polypeptide (I) comprising 435 residue amino acid sequences (S1), given in specification, or mature sequence, ortholog or fragment of (S1), sequence having 70 % identity to (S1), allelic/splice variant of (S1), or (S1) with substitutions, insertions, deletions, C-terminal or N-terminal truncation, having activity of (I), is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: (1) an isolated nucleic acid molecule (II) comprising a 1750 base pair sequence (S2), given in the specification, the h2520-40 encoding portion of (S2) comprising nucleotides 405-1709, a nucleotide sequence encoding (I), allelic variant or splice variant of (S2), fragment of (S2) comprising at least 16 nucleotides, sequence which hybridizes under moderately or highly stringent conditions to the complement of them, or sequence complementary to the sequences; (2) a vector (III) comprising (II); (3) a host cell (IV) comprising (III); (4)

production (M1) of (I); (5) a polypeptide produced by M1; (6) an isolated polypeptide encoded by (II); (7) an antibody (V) or its fragment that specifically binds (I), produced by immunizing an animal with a peptide comprising (S1); (8) a selective binding agent (VI) or its fragment that specifically binds (I), comprising a complementarity determining region with specificity for a polypeptide having (S1), and produced by immunizing an animal with a polypeptide comprising (S1); (9) a hybridoma that produces a monoclonal antibody or (VI) that binds (I); (10) a composition (VII) comprising (I) or (II) and a formulation agent; (11) a polypeptide (VIII) comprising a derivative of (I); (12) a viral vector comprising (II); (13) a fusion polypeptide (IX) comprising (I) fused to a heterologous amino acid sequence; (14) a device comprising a membrane suitable for implantation, and cells encapsulated within the membrane, where the cells secrete (I) and the membrane is permeable to the protein and impermeable to materials detrimental to the cells, or the h2520-40 polypeptide encapsulated within the membrane, where the membrane is permeable to the polypeptide; (15) a transgenic non-human mammal comprising (II); (16) a diagnostic reagent comprising a detectably labeled polynucleotide encoding (S1), or its fragment, allelic or splice variants or homolog; and (17) an antagonist of h2520-40 polypeptide activity selected from h2520-40 selective binding agents, small molecules, antisense oligonucleotides, and peptides or their derivatives having specificity for h2520-40 polypeptide.

WIDER DISCLOSURE - (1) a kit comprising h2520-40 selective binding agents and other reagents useful for detecting h2520-40 levels in biological samples; and (2) kits containing single and multi-chambered pre-filled syringes.

BIOTECHNOLOGY - Preparation: (I) is prepared by culturing a eukaryotic or prokaryotic cell under suitable conditions to express the polypeptide, and optionally isolating the polypeptide from the culture. The nucleic acid molecule comprises promoter DNA other than the promoter DNA for the native h2520-40 polypeptide operatively linked to the DNA encoding the h2520-40 polypeptide. (All claimed.)

Preferred Polypeptide: In (I), the amino acid at position 88 of (S1) is valine, isoleucine, methionine, leucine, phenylalanine, alanine, or norleucine, at position 96 of (S1) threonine or serine, at position 101 of (S1) is alanine, valine, leucine or isoleucine, at position 121 of (S1) is glutamic acid or aspartic acid, at position 130 of (S1) is histamine, asparagine, glutamine, lysine or arginine, at position 133 of (S1) is isoleucine, leucine, valine, methionine, alanine, phenylalanine or norleucine, at position 156 of (S1) is glycine, proline or alanine, at position 183 of (S1) is alanine, valine, leucine or isoleucine, at position 195 of (S1) arginine, lysine, glutamine or asparagine, at position 215 of (S1) is phenylalanine, leucine, valine, isoleucine, alanine, or tyrosine, at position 231 of (S1) is cysteine, serine or alanine, at position 288 of (S1) is tyrosine, tryptophan, phenylalanine, threonine or serine, or at position 295 of (S1) is serine, threonine, alanine or cysteine. (VIII) is covalently modified with a water-soluble polymer such as polyethylene glycol (PEG), monomethoxy-PEG, dextran, cellulose, poly-(N-vinyl pyrrolidone) PEG, propylene glycol homopolymers, polypropylene oxide/ethylene oxide co-polymers, polyoxyethylated polyols, or polyvinyl alcohol. In (IX), the heterologous amino acid sequence is an IgG constant domain or its fragment. Preferred Nucleic Acid: In (II), the percent identity is determined using a computer program such as GAP, BLASTP, BASTN, FASTA, BLASTA, BLASTX, BestFit, and the Smith-Waterman algorithm. Preferred Antibody: (V) is a monoclonal antibody. Preferred Agent: (VI) is an antibody such as humanized antibody, human antibody, polyclonal antibody, monoclonal antibody, chimeric antibody, CDR-grafted antibody, anti-idiotypic antibody, or their fragments or a variable region fragment (e.g. a Fab or Fab' fragment). (VI) is bound to a detectable label, and antagonizes h2520-40 polypeptide biological activity. Preferred Composition: In (VII), the formulation agent is a carrier, adjuvant, solubilizer, stabilizer or anti-oxidant. The nucleic acid molecule is contained in a viral vector. Preferred Reagent: In the

diagnostic reagent, the labeled polynucleotide is a first-strand cDNA.

ACTIVITY - Vulnerary; Antidiabetic; Antipsoriatic; Hepatotropic; Antiinflammatory; Osteopathic; Antiarthritic; Antirheumatic; Cytostatic. No biological data is given.

MECHANISM OF ACTION - Gene therapy; Cell therapy.

USE - (I) is useful for identifying a compound which binds to (I), and treating, preventing or ameliorating a medical condition in a mammal resulting from decreased levels of h2520-40 polypeptide. (I) is also useful for diagnosing a pathological condition or a susceptibility to a pathological condition in a subject caused by or resulting from abnormal levels of h2520-40 polypeptide, by determining the presence or amount of expression of (I), and comparing the level of h2520-40 polypeptide in a biological, tissue or cellular sample from normal subjects or the subject at an earlier time. (II) is useful for modulating levels of a polypeptide in a mammal. (IV) is useful for identifying candidate inhibitors or stimulators of h2520 polypeptide activity or production, by exposing (IV) to the inhibitors or stimulators, measuring h2520-40 polypeptide activity or production in the cell, and comparing activity or production of h2520-40 in cells exposed to the inhibitor or stimulator with activity in cells not exposed to the inhibitor or stimulator. (V) is useful for detecting or quantitating the amount of h2520-40 in a sample, by detecting the binding of (V) or its fragment to the h2520-40 polypeptide. (VI) is useful for treating, preventing, or ameliorating disease, condition or disorder. (X) is useful for detecting the presence of h2520-40 nucleic acids in a biological (e.g. tissue or cellular) sample, by contacting the biological sample with (X), detecting hybridization of (X) with h2520-40 nucleic acids in the biological sample, and comparing the level of hybridization with the level of hybridization between a known concentration of h2520-40 nucleic acid and (X). The polynucleotide molecule is DNA or RNA. (All claimed.) h2520-40 is useful as a small molecule inhibitor target. (I) is useful for identifying molecules that are agonists or antagonists of h2520-40 polypeptide, identifying receptors or their binding partners and as immunogen for producing antibodies. (II) is useful as hybridization probes to screen cDNA, genomic or synthetic DNA libraries for related sequences, to identify transformed cells, to map the locations of the h2520-40 gene and related genes on chromosomes, as a diagnoses/prognosis marker, and as a surrogate marker to monitor tumor growth and treatment success. The non-human animals are useful for drug candidate screening. (V) is useful for detection and quantitation of h2520-40 polypeptides, and for in vivo imaging. (I), (II) and (V) are useful for treating hyperproliferative pathological conditions such as immune disorders, angiogenesis, vasculogenesis, wound healing, diabetes mellitus including diabetes type I and type II, psoriasis, liver diseases such as hepatitis and cirrhosis, osteoporosis, inflammatory conditions such as osteoarthritis and rheumatoid arthritis, pregnancy and cancer.

ADMINISTRATION - Administered at a dose of 0.1-100 mg/kg, by oral, intravenous, intraperitoneal, intracerebral, intracerebroventricular, intramuscular, intra-ocular, intraarterial, intraportal, or intralesional route. No dosage is given.

EXAMPLE - Cloning of human serine threonine kinase member, designated h2520-40. A search was first performed on the Celera genomic database to identify potential kinases. This search identified an expression sequence tag (EST) sequence, as a putative serine threonine (ser/thr) kinase. Using this sequence, polymerase chain reaction (PCR) primers were designed to screen human cDNA libraries. A 5' forward primer 5'GCCTTGGGGGTGCTTTTG3' and 3' reverse primer 5'TTTCTTCTTCCTTGAGAGTGCTGG3' were used to generate a 298 base pair PCR product. Subsequently, a 3' rapid amplification of cDNA ends (RACE) primer 5'CTGAACACTTCTGTGGGTC3' was designed and used to screen the Marathon-Ready (RTM) Human Ling cDNA kit in order to identify the potential 3' end of the ser/thr kinase gene. The resulting PCR products

were TA cloned into the TA cloning vector pCR2.1 TOPO and transformed into TOP010 *Escherichia coli*. Positive clones were screened by detecting the presence of a 298 base pair product by PCR. The PCR reaction products were separated electrophoretically and 4 positive wells were scored by the presence of a 298 base pair band. The plasmid DNA was prepared from each of the positive clones and both strands of cDNA were sequenced, identifying the putative 3' end of the ser/thr kinase gene. The 3' sequence was then used to identify the *Caenorhabditis elegans* predicted protein F49C5.4 through a BLAST search. This predicted protein was then used to search the human EST database, which revealed a human EST (R59486) with a high homology with the potential 5' end of the ser/thr kinase gene. The resulting sequence (R59486) was then used to design PCR primer pairs to synthesize a 1300 base pair product. The 5' forward primer (5'TCAAGGGAAATAGCAAACAG3') and 3' reverse primer (5'GGCAGGGCTCTGACACG3') were used to screen the Marathon-Ready (RTM) human hypothalamus cDNA kit using PCR. The resulting PCR products were TA cloned into pCR2.1 TOPO. Nested PCR was then carried out on positive colonies. The PCR reaction products were separated electrophoretically and 4 positive wells were scored by the presence of a 750 base pair band. The plasmid DNA was prepared and both strands of the cDNA insert were sequenced. Sequence homology in the putative kinase domain revealed homology with other members of the ser/thr protein kinase family. For full length cloning of the gene, the 5' forward primer (5'TCAAGGGAAATAGCAAACAG3'), and 3' reverse primer (5'AGCAACAATCATCTTGGTTAGTTAC3') were used to screen the Marathon-Ready (RTM) human hypothalamus cDNA kit using PCR. The resulting PCR products were TA cloned into pCR2.1 TOPO. Nested PCR was then carried out on positive colonies. The PCR reaction products were separated electrophoretically and six positive wells were scored by the presence of a 750 base pair band. The plasmid DNA was prepared and both strands of the cDNA insert were sequenced. The cDNA sequence encoding the putative ser/thr kinase polypeptide, denoted as h2520-40, was determined. The h2520-40 gene was 1750 nucleotides in length with a 1305 nucleotide coding region. This open reading frame encoded a 435 amino acid polypeptide. (74 pages)

L16 ANSWER 3 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 2002:313141 BIOSIS
 DOCUMENT NUMBER: PREV200200313141
 TITLE: Dimethylsulphoxide (DMSO) results in a transient fluid absorption during microvessel occlusion when measuring hydraulic conductivity (Lp) using the Landis Michel method.
 AUTHOR(S): Glass, Cathy A. [Reprint author]; Pocock, Tristan M. [Reprint author]; Bates, David Owen [Reprint author]
 CORPORATE SOURCE: Department of Physiology, University of Bristol, Southwell Street, Bristol, BS2 8EJ, UK
 SOURCE: FASEB Journal, (March 20, 2002) Vol. 16, No. 4, pp. A83. print.
 Meeting Info.: Annual Meeting of the Professional Research Scientists on Experimental Biology. New Orleans, Louisiana, USA. April 20-24, 2002.
 CODEN: FAJOEC. ISSN: 0892-6638.
 DOCUMENT TYPE: Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LANGUAGE: English
 ENTRY DATE: Entered STN: 29 May 2002
 Last Updated on STN: 29 May 2002
 AB Lp is measured using the Landis Michel method, which has previously shown a transient absorption when perfusing with small molecular weight substances such as glucose that exert a transient osmotic pressure across the vessel wall. Here we present evidence for an unusual transient absorption caused by DMSO, a compound often used as a vehicle. Lp was measured in anaesthetised frogs as previously described (Bates et al, AJP 271:H2520). Vessels were perfused with 1% BSA with varying

concentrations of DMSO while measuring L_p . Upon vessel occlusion during DMSO perfusion a transient, decreasing absorption was seen which reversed at $9.8 \pm 3.1s$ with 0.1% DMSO and $15.1 \pm 4.4s$ with 1% DMSO. DMSO concentration correlated with the initial absorption rate ($r=0.68$, $p<0.0001$, $n=32$) and initial filtration rate ($r=0.57$, $p<0.001$, $n=30$). After removal of the occlusion flow resumed. Upon repeat of the occlusion a similar transient absorption was again measured which occurred for all subsequent occlusions. We speculate that this transient absorption is an osmotic transient caused by local changes in salt concentration elicited by the effect of DMSO on the cell membrane.

L16 ANSWER 4 OF 4 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 2001:255488 BIOSIS
 DOCUMENT NUMBER: PREV200100255488
 TITLE: Acute response of microvessel small solute permeability to vascular endothelial growth factor (VEGF).
 AUTHOR(S): Fu, Bingmei M. [Reprint author]; Wu, Xiaolong [Reprint author]
 CORPORATE SOURCE: University of Nevada, Las Vegas, 4505 Maryland Parkway, Las Vegas, NV, 89154, USA
 SOURCE: FASEB Journal, (March 7, 2001) Vol. 15, No. 4, pp. A55. print.
 Meeting Info.: Annual Meeting of the Federation of American Societies for Experimental Biology on Experimental Biology 2001. Orlando, Florida, USA. March 31-April 04, 2001.
 CODEN: FAJOEC. ISSN: 0892-6638.
 DOCUMENT TYPE: Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LANGUAGE: English
 ENTRY DATE: Entered STN: 23 May 2001
 Last Updated on STN: 19 Feb 2002

AB To investigate the structural mechanisms of acute microvessel hyperpermeability by VEGF, we need to combine a mathematical model with the experimental data of VEGF effect on microvessel hydraulic permeability (L_p) and various sized solute permeability (P) (Fu et al., METMBS'00 Int. Conf.:89-95, 2000). Exposure to 1 nM VEGF transiently increased L_p within 30 sec (to 7.8-fold of baseline values) and returned to control within 2 min (Bates and Curry, AJP 40: H2520, 1996). The current study is aimed at examining VEGF effect on small solute permeability. The venular capillary in frog mesentery was perfused alternatively via one of two pipettes at an Y junction. One pipette contains a clear perfusate of either 1% BSA frog Ringer for control or 1nM VEGF for test measurements; the other contains the control perfusate to which the fluorescent small solute (sodium fluorescein 0.1 mg/ml; MW 376, Stokes radius 0.45nm) was added. P was determined using the method for microscope photometry (Curry, et al., AJP 245:H495, 1983). The mean control P for 7 tested vessels was $4.5 (+2.2 \text{ SD}) \times 10^{-5} \text{ cm/s}$. The response pattern of P to VEGF is shown in the figure (Mean \pm SE). This pattern is similar to that of L_p to VEGF. The peak value of P/P_{control} at approx 30 sec was only measured in 2 vessels, 5.5 and 1.9, respectively. If using the mean of these values, 3.7, for P/P_{control} and 7.8 for $L_p/L_{p \text{ control}}$, the model would predict that the transient increase in microvessel permeability by VEGF is caused by approx 2.5-fold transient increase in the height of the interendothelial cleft.

=> e boylan j/au

E1	1	BOYLAN HELEN MARIE/AU
E2	1	BOYLAN HUGH C/AU
E3	73 -->	BOYLAN J/AU
E4	5	BOYLAN J A/AU
E5	4	BOYLAN J B/AU
E6	39	BOYLAN J C/AU
E7	1	BOYLAN J D/AU

E8	9	BOYLAN J E/AU
E9	161	BOYLAN J F/AU
E10	31	BOYLAN J G/AU
E11	53	BOYLAN J J/AU
E12	168	BOYLAN J M/AU

=> s e3

L17 73 "BOYLAN J"/AU

=> s bowers a/au

L18 154 BOWERS A/AU

=> s l17 or l18

L19 227 L17 OR L18

=> d his

(FILE 'HOME' ENTERED AT 13:16:17 ON 29 JAN 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 13:16:43 ON 29 JAN 2004

L1	1160494	S KINASE?
L2	392110	S SERINE OR THREONINE
L3	90883	S L1 AND L2
L4	6344484	S CLON? OR EXPRESS? OR RECOMBINANT
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L8	933636	S WOUND(A)HEALING OR DIABETES OR PSORIASIS OR INFLAMMATION
L9	2123	S L5 AND L7
L10	661	S L5 AND L8
L11	2714	S L9 OR L10
L12	3820	S L5 AND CANCER
L13	6212	S L11 OR L12
L14	4513	S HUMAN AND L13
L15	9	S "H2520"
L16	4	DUP REM L15 (5 DUPLICATES REMOVED)
		E BOYLAN J/AU
L17	73	S E3
L18	154	S BOWERS A/AU
L19	227	S L17 OR L18

=> s l14 and l19

L20 0 L14 AND L19

=> s human (a)l13

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L109'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L110'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L111'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L112'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L113'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L114'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L115'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'HUMAN (A)L116'

L21	4513	HUMAN (A) L13
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=> d his

(FILE 'HOME' ENTERED AT 13:16:17 ON 29 JAN 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 13:16:43 ON 29 JAN 2004

L1 1160494 S KINASE?
L2 392110 S SERINE OR THREONINE
L3 90883 S L1 AND L2
L4 6344484 S CLON? OR EXPRESS? OR RECOMBINANT
L5 46190 S L3 AND L4
L6 0 S "H2520-59"
L7 2363927 S HYPERPROLIFERATIVE OR IMMUNE OR ANGIOGENESIS OR VASCULOGENESIS
L8 933636 S WOUND(A) HEALING OR DIABETES OR PSORIASIS OR INFLAMMATION
L9 2123 S L5 AND L7
L10 661 S L5 AND L8
L11 2714 S L9 OR L10
L12 3820 S L5 AND CANCER
L13 6212 S L11 OR L12
L14 4513 S HUMAN AND L13
L15 9 S "H2520"
L16 4 DUP REM L15 (5 DUPLICATES REMOVED)
E BOYLAN J/AU
L17 73 S E3
L18 154 S BOWERS A/AU
L19 227 S L17 OR L18
L20 0 S L14 AND L19
L21 4513 S HUMAN (A) L13

=> s l19 and l1

L22 19 L19 AND L1

=> dup rem l22

PROCESSING COMPLETED FOR L22

L23 8 DUP REM L22 (11 DUPLICATES REMOVED)

=> d 1-8 ibib ab

L23 ANSWER 1 OF 8 MEDLINE on STN DUPLICATE 1
ACCESSION NUMBER: 2001467865 MEDLINE
DOCUMENT NUMBER: 21405160 PubMed ID: 11514172
TITLE: Identification of selective inhibitors of cyclin dependent
kinase 4.
AUTHOR: Carini D J; Kaltenbach R F; Liu J; Benfield P A;
Boylan J; Boisclair M; Brizuela L; Burton C R; Cox
S; Grafstrom R; Harrison B A; Harrison K; Akamike E;
Markwalder J A; Nakano Y; Seitz S P; Sharp D M; Trainor G
L; Sielecki T M
CORPORATE SOURCE: DuPont Pharmaceuticals Company, Wilmington, DE 19880, USA..
thais.m.sielecki@dupontpharma.com
SOURCE: BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, (2001 Aug 20)
11 (16) 2209-11.
Journal code: 9107377. ISSN: 0960-894X.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200110
ENTRY DATE: Entered STN: 20010830
Last Updated on STN: 20011008
Entered Medline: 20011004
AB A new structural type of **kinase** inhibitor, containing a
benzocarbazole nucleus, has been identified. Members of the series are
selective for inhibition of the cyclin dependent **kinase** family

of enzymes. Although the cdk's are highly homologous, representatives of the series showed intra-cdk selectivities, especially for cdk4. SAR studies elucidated the important features of the molecules for inhibition.

L23 ANSWER 2 OF 8 MEDLINE on STN DUPLICATE 2
ACCESSION NUMBER: 2001255960 MEDLINE
DOCUMENT NUMBER: 21253557 PubMed ID: 11354366
TITLE: Quinazolines as cyclin dependent kinase inhibitors.
AUTHOR: Sielecki T M; Johnson T L; Liu J; Muckelbauer J K; Grafstrom R H; Cox S; Boylan J; Burton C R; Chen H; Smallwood A; Chang C H; Boisclair M; Benfield P A; Trainor G L; Seitz S P
CORPORATE SOURCE: The DuPont Pharmaceuticals Company, Wilmington, DE 19880-0500, USA.. thais.m.sielecki@dupontpharma.com
SOURCE: BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS, (2001 May 7) 11 (9) 1157-60.
Journal code: 9107377. ISSN: 0960-894X.
PUB. COUNTRY: England; United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200110
ENTRY DATE: Entered STN: 20011015
Last Updated on STN: 20011015
Entered Medline: 20011011
AB Quinazolines have been identified as inhibitors of CDK4/D1 and CDK2/E. Aspects of the SAR were investigated using solution-phase, parallel synthesis. An X-ray crystal structure was obtained of quinazoline 51 bound in CDK2 and key interactions within the ATP binding pocket are defined.

L23 ANSWER 3 OF 8 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
ACCESSION NUMBER: 1999:823227 SCISEARCH
THE GENUINE ARTICLE: 226QZ
TITLE: Characterization of indenopyrazoles as inhibitors of cyclin-dependent kinases.
AUTHOR: Seitz S P (Reprint); Benfield P A; Boylan J; Boisclair M; Brizuela L; Burton C R; Carini D J; Chang C H; Cox S; Czerniak P M; Grafstrom R H; Hoess R H; Muckelbauer J K; Nugiel D A; Rossi K A; Trainor G L; Worland P; Yue E W
CORPORATE SOURCE: DUPONT MERCK PHARMACEUT CO, EXPT STN, WILMINGTON, DE 19880; MITOTIX INC, CAMBRIDGE, MA 02139
COUNTRY OF AUTHOR: USA
SOURCE: ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, (22 AUG 1999) Vol. 218, Part 1, pp. 316-MEDI.
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036.
ISSN: 0065-7727.
DOCUMENT TYPE: Conference; Journal
LANGUAGE: English
REFERENCE COUNT: 0

L23 ANSWER 4 OF 8 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:617692 HCAPLUS
TITLE: Characterization of indenopyrazoles as inhibitors of cyclin-dependent kinases.
AUTHOR(S): Seitz, Steven P.; Benfield, P. A.; Boylan, J.; Boisclair, M.; Brizuela, L.; Burton, C. R.; Carini, D. J.; Chang, C. H.; Cox, S.; Czerniak, P. M.; Grafstrom, R. H.; Hoess, R. H.; Muckelbauer, J. K.; Nugiel, D. A.; Rossi, K. A.; Trainor, G. L.; Worland, P.; Yue, E. W.

CORPORATE SOURCE: DuPont Pharmaceuticals Company, Wilmington, DE,
19880-0500, USA
SOURCE: Book of Abstracts, 218th ACS National Meeting, New
Orleans, Aug. 22-26 (1999), MEDI-316. American
Chemical Society: Washington, D. C.
CODEN: 67ZJA5

DOCUMENT TYPE: Conference; Meeting Abstract
LANGUAGE: English

AB Progression of mammalian cells through the cell cycle is regulated by the coordinated activity of a family of cyclin dependent **kinases** (cdks). Of special interest are the complexes of cdk4 with D-type cyclins and cdk2/cyclin E. Activation of cdk4 results in a specific phosphorylation of the retinoblastoma protein (pRb) which is crit. to the release of transcription factors of the E2F family. The Rb **kinase** pathway is the nexus of biol. control of the entry into the cell cycle and is frequently involved in oncogenic transformation. These factors make specific inhibitors of cdks of high interest for pharmacol. intervention in cancer. We have found a new series of cdk inhibitors that contain an indenopyrazole core. The synthesis and basic SAR of the series will be discussed leading to nM level inhibitors of the cdks. These ATP competitive agents will be profiled against other classes of **kinases**. Aspects of the interaction of the inhibitors with cdk2 will be discussed in the context of a structural model. Effects of these inhibitors on transformed cells will be examd. and discussed in a mechanistic context.

L23 ANSWER 5 OF 8 MEDLINE on STN DUPLICATE 3
ACCESSION NUMBER: 1999196919 MEDLINE
DOCUMENT NUMBER: 99196919 PubMed ID: 10094818
TITLE: Analysis of site-specific phosphorylation of the
retinoblastoma protein during cell cycle progression.
AUTHOR: Boylan J F; Sharp D M; Leffet L; **Bowers A**; Pan W
CORPORATE SOURCE: Genetics and Cancer Group, The Dupont Pharmaceuticals
Company, Wilmington, Delaware, 19880, USA.
SOURCE: EXPERIMENTAL CELL RESEARCH, (1999 Apr 10) 248 (1) 110-4.
Journal code: 0373226. ISSN: 0014-4827.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199906
ENTRY DATE: Entered STN: 19990614
Last Updated on STN: 19990614
Entered Medline: 19990603

AB Differential phosphorylation of the retinoblastoma protein plays a pivotal role in cell cycle regulation. The retinoblastoma protein is specifically phosphorylated during the cell cycle by cyclin-dependent **kinase** complexes which intersect with many cellular signaling networks. Since the loss of the retinoblastoma signaling pathways occurs in a wide variety of human tumors, understanding the significance of site-specific phosphorylation can clarify the role of selected cyclin-dependent **kinase** complexes during cell cycle progression. Here we describe the phosphospecificity and cellular characterization of a panel of polyclonal antibodies that recognize unique phosphorylation sites within the retinoblastoma protein. These reagents were used to validate authentic cellular retinoblastoma phosphorylation sites at amino acids 780, 795, and 807/811 correlating with the G1-S transition.
Copyright 1999 Academic Press.

L23 ANSWER 6 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1999:415723 BIOSIS
DOCUMENT NUMBER: PREV199900415723
TITLE: Characterization of indenopyrazoles as inhibitors of
cyclin-dependent **kinases**.

AUTHOR(S) : Seitz, Steven P. [Reprint author]; Benfield, P. A. [Reprint author]; Boylan, J. [Reprint author]; Boisclair, M.; Brizuela, L.; Burton, C. R. [Reprint author]; Carini, D. J. [Reprint author]; Chang, C. H. [Reprint author]; Cox, S. [Reprint author]; Czerniak, P. M. [Reprint author]; Grafstrom, R. H. [Reprint author]; Hoess, R. H. [Reprint author]; Muckelbauer, J. K. [Reprint author]; Nugiel, D. A. [Reprint author]; Rossi, K. A. [Reprint author]; Trainor, G. L. [Reprint author]; Worland, P.; Yue, E. W. [Reprint author]

CORPORATE SOURCE: Experimental Station, DuPont Pharmaceuticals Company, Wilmington, DE, 19880-0500, USA

SOURCE: Abstracts of Papers American Chemical Society, (1999) Vol. 218, No. 1-2, pp. MEDI 316. print.
Meeting Info.: 218th National Meeting of the American Chemical Society, Parts 1 and 2. New Orleans, Louisiana, USA. August 22-26, 1999. American Chemical Society.
CODEN: ACSRAL. ISSN: 0065-7727.

DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)

LANGUAGE: English

ENTRY DATE: Entered STN: 18 Oct 1999
Last Updated on STN: 18 Oct 1999

L23 ANSWER 7 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 1999:18336 BIOSIS

DOCUMENT NUMBER: PREV199900018336

TITLE: Modulation of site-specific phosphorylation of the retinoblastoma protein during cell cycle progression.

AUTHOR(S) : Boylan, J. F. [Reprint author]; Sharp, D. M. [Reprint author]; Hoess, R. [Reprint author]; Grafstrom, R. [Reprint author]; Leffert, L. [Reprint author]; Bowers, A. [Reprint author]; Pan, W. [Reprint author]; Davis, T.

CORPORATE SOURCE: DuPont Pharmaceuticals Company, Wilmington, DE 19880, USA

SOURCE: Molecular Biology of the Cell, (Nov., 1998) Vol. 9, No. SUPPL., pp. 248A. print.
Meeting Info.: 38th Annual Meeting of the American Society for Cell Biology. San Francisco, California, USA. December 12-16, 1998. American Society for Cell Biology.
CODEN: MBCEEV. ISSN: 1059-1524.

DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)

LANGUAGE: English

ENTRY DATE: Entered STN: 20 Jan 1999
Last Updated on STN: 20 Jan 1999

L23 ANSWER 8 OF 8 MEDLINE on STN DUPLICATE 4

ACCESSION NUMBER: 92217072 MEDLINE

DOCUMENT NUMBER: 92217072 PubMed ID: 1559267

TITLE: Cytokinesis is more rapid in Ha-T24-ras transfected rat embryo fibroblasts than in non-transfected control cells.

AUTHOR: Ng G; Boylan J; Zimmer S G; Siskin J E

CORPORATE SOURCE: Department of Microbiology and Immunology, College of Medicine, University of Kentucky, Lexington 40536.

SOURCE: CELL MOTILITY AND THE CYTOSKELETON, (1992) 21 (2) 159-66.
Journal code: 8605339. ISSN: 0886-1544.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199205

ENTRY DATE: Entered STN: 19920529
Last Updated on STN: 19920529
Entered Medline: 19920512

AB It has long been known that neoplastic cells are characterized by increases in cell motility. Earlier studies from this laboratory indicated that mitotic events were also altered in many tumor and experimentally transformed cells and that this included increases in metaphase duration and a reduction in the duration of cytokinesis. The studies presented in this paper were done to determine whether or not transfection of normal rat embryo fibroblasts by the Ha-T24-ras oncogene could also produce such alterations in mitotic events. The results obtained with the use of time lapse video microscopy indicate that neither the duration of metaphase nor the rate of chromosome movement during anaphase was altered but that the rate of furrow progression during cytokinesis occurred at a significantly more rapid rate. Thus, the cellular alterations induced by transfection with Ha-T24-ras accelerate microfilament-dependent cytokinetic furrowing without significant effects on microtubule-dependent mitotic events. One of several possible mechanisms that could account for these observations involves a down regulation of protein kinase C which has been reported to occur in many neoplastic cells including those transformed by ras. Such a hypothesis could also have broader implications because it may be applicable to the increase in motility and metastatic activity generally observed in transformed cells.

=> d his

(FILE 'HOME' ENTERED AT 13:16:17 ON 29 JAN 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 13:16:43 ON 29 JAN 2004

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L1      1160494 S KINASE?
L2      392110 S SERINE OR THREONINE
L3      90883 S L1 AND L2
L4      6344484 S CLON? OR EXPRESS? OR RECOMBINANT
L5      46190 S L3 AND L4
L6      0 S "H2520-59"
L7      2363927 S HYPERPROLIFERATIVE OR IMMUNE OR ANGIOGENESIS OR VASCULOGENESIS
L8      933636 S WOUND(A) HEALING OR DIABETES OR PSORIASIS OR INFLAMMATION
L9      2123 S L5 AND L7
L10     661 S L5 AND L8
L11     2714 S L9 OR L10
L12     3820 S L5 AND CANCER
L13     6212 S L11 OR L12
L14     4513 S HUMAN AND L13
L15     9 S "H2520"
L16     4 DUP REM L15 (5 DUPLICATES REMOVED)
        E BOYLAN J/AU
L17     73 S E3
L18     154 S BOWERS A/AU
L19     227 S L17 OR L18
L20     0 S L14 AND L19
L21     4513 S HUMAN (A) L13
L22     19 S L19 AND L1
L23     8 DUP REM L22 (11 DUPLICATES REMOVED)
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=> s l1(a) l2

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L24      38200 L1(A) L2
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=> s l4 and l24

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L25      22140 L4 AND L24
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=> s l7 and l25

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L26      1107 L7 AND L25
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=> s l8 and l25

L27 300 L8 AND L25

=> s human and l27

L28 174 HUMAN AND L27

=> dup rem l28

PROCESSING COMPLETED FOR L28

L29 132 DUP REM L28 (42 DUPLICATES REMOVED)

=> d 1-132 ibib

L29 ANSWER 1 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-12862 BIOTECHDS

TITLE: New polynucleotide encoding a DCAMKL1-like serine/
threonine kinase polypeptide, useful for
treating diseases related to the polypeptide, such as cancer,
diabetes, a CNS disorder, COPD, asthma, or a
cardiovascular disorder;
recombinant enzyme and encoding gene for use in
disease therapy, **recombinant** vaccine, drug
screening and gene therapy

AUTHOR: XIAO Y
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2003018816 6 Mar 2003
APPLICATION INFO: WO 2002-EP9282 20 Aug 2002
PRIORITY INFO: US 2002-378413 8 May 2002; US 2001-313809 22 Aug 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-290075 [28]

L29 ANSWER 2 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-13011 BIOTECHDS

TITLE: New serine/**threonine kinase** polypeptide
and encoding polynucleotide, useful for modulating the
activity of the kinase in disorders such as cancer, COPD, CNS
disorders and **diabetes**;
vector-mediated **recombinant** protein gene
transfer and **expression** in host cell for use in
gene therapy

AUTHOR: LIOU J
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2003018786 6 Mar 2003
APPLICATION INFO: WO 2002-EP9239 19 Aug 2002
PRIORITY INFO: US 2001-330997 6 Nov 2001; US 2001-313021 20 Aug 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-278659 [27]

L29 ANSWER 3 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-10475 BIOTECHDS

TITLE: New polynucleotide encoding a NEK-like serine/
threonine kinase polypeptide useful for
treating diseases associated with kinase dysfunction, e.g.
cardiovascular disorders, cancer such as colon cancer,
diabetes and CNS disorders;
recombinant protein production and its encoding
gene useful for drug screening for disease therapy

AUTHOR: XIAO Y
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2003000903 3 Jan 2003
APPLICATION INFO: WO 2002-EP6948 24 Jun 2002
PRIORITY INFO: US 2001-336704 7 Dec 2001; US 2001-300068 25 Jun 2001
DOCUMENT TYPE: Patent
LANGUAGE: English

OTHER SOURCE: WPI: 2003-184051 [18]

L29 ANSWER 4 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-11081 BIOTECHDS

TITLE: New **human** serine/threonine protein kinase NEK3 polypeptide and polynucleotide, useful in preventing, ameliorating, or treating diseases associated with serine/threonine protein kinase NEK3 dysfunction such as cancer or **diabetes**;
vector-mediated protein-kinase gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy

AUTHOR: XIAO Y
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2003000874 3 Jan 2003
APPLICATION INFO: WO 2002-EP6993 25 Jun 2002
PRIORITY INFO: US 2001-334952 4 Dec 2001; US 2001-300067 25 Jun 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-221415 [21]

L29 ANSWER 5 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2004-01807 BIOTECHDS

TITLE: New polynucleotide encoding a c-Jun N-terminal kinase (JNK), and the encoded polypeptide, useful for (identifying compounds for) treating e.g. cancer, **psoriasis**, rheumatoid arthritis, or septic shock;
peptide, antibody and sense or antisense oligonucleotide drug screening for disease therapy and gene therapy

AUTHOR: KARIN M; HIBI M; LIN A
PATENT ASSIGNEE: KARIN M; HIBI M; LIN A
PATENT INFO: US 2003190735 9 Oct 2003
APPLICATION INFO: US 2001-861012 18 May 2001
PRIORITY INFO: US 2001-861012 18 May 2001; US 1993-94533 19 Jul 1993
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-844275 [78]

L29 ANSWER 6 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-16678 BIOTECHDS

TITLE: Use of isolated gene sequences and encoded polypeptides that are upregulated in the spinal cord in response to streptozocin-induced **diabetes** for screening compounds for the treatment of pain, or for diagnosing pain;
involving vector-mediated **recombinant** protein gene transfer and **expression** in host cell for use in diagnosis, therapy and drug screening

AUTHOR: BROOKSBANK R A; DIXON A K; LEE K; PINNOCK R D
PATENT ASSIGNEE: WARNER LAMBERT CO
PATENT INFO: EP 1279744 29 Jan 2003
APPLICATION INFO: EP 2002-255249 26 Jul 2002
PRIORITY INFO: GB 2002-2910 7 Feb 2002; GB 2001-18354 27 Jul 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-395407 [38]

L29 ANSWER 7 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:931494 HCAPLUS

DOCUMENT NUMBER: 140:1658
TITLE: Sequences of a **human** protein serine/**threonine kinase** sequence homolog and uses in diagnosis, therapy and drug screening
INVENTOR(S): Liou, Jiing-ren
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 157 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003097823	A1	20031127	WO 2003-EP5106	20030515
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2002-380263P	P 20020515
			US 2002-386733P	P 20020610
			US 2002-406972P	P 20020830
REFERENCE COUNT:	3	THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L29 ANSWER 8 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:931493 HCAPLUS
 DOCUMENT NUMBER: 140:1657
 TITLE: Sequences of a **human** protein serine/
threonine kinase sequence homolog
 and uses in diagnosis, therapy and drug screening
 INVENTOR(S): Liou, Jiing-ren
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 150 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003097822	A1	20031127	WO 2003-EP5092	20030515
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2002-380294P	P 20020515
			US 2002-386734P	P 20020610
			US 2002-432628P	P 20021212
REFERENCE COUNT:	6	THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L29 ANSWER 9 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:491063 HCAPLUS

DOCUMENT NUMBER: 139:57897
 TITLE: Novel pharmaceutical composition of interferon gamma or pirfenidone combined with molecular diagnostics for the improved treatment of interstitial lung diseases
 INVENTOR(S): Bevec, Dorian; Ziesche, Rolf
 PATENT ASSIGNEE(S): Mondobiotech SA, Switz.
 SOURCE: PCT Int. Appl., 80 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003051388	A2	20030626	WO 2002-CH691	20021212
WO 2003051388	A3	20031030		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
NO 2003003642	A	20031017	NO 2003-3642	20030815
PRIORITY APPLN. INFO.:			EP 2001-130011	A 20011218
			WO 2002-CH691	W 20021212

L29 ANSWER 10 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:836486 HCAPLUS
 DOCUMENT NUMBER: 139:318461
 TITLE: Sequence homologs of proteins associated with regulation of cell growth and adhesion and cDNAs encoding them and their possible uses
 INVENTOR(S): Spytek, Kimberly A.; Majumder, Kumud; Tchernev, Velizar T.; Mishra, Vishnu; Padigaru, Muralidhara; Spaderna, Steven K.; Shenoy, Suresh G.; Rastelli, Luca; Li, Li; Taupier, Raymond J.; Gangolli, Esha
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 179 pp., Cont.-in-part of U.S. Ser. No. 540,763.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003198953	A1	20031023	US 2001-863776	20010523
AU 2001069710	A5	20011203	AU 2001-69710	20010523
WO 2001090155	A2	20011129	WO 2001-US17073	20010524
WO 2001090155	A3	20031002		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,				

BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1364014 A2 20031126 EP 2001-948241 20010524
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI, CY, TR

PRIORITY APPLN. INFO.:
US 2000-540763 A2 20000330
US 2000-206679P P 20000524
US 2000-206688P P 20000524
US 2000-206829P P 20000524
US 2000-207748P P 20000530
US 2000-207798P P 20000530
US 2000-208263P P 20000531
US 2000-208831P P 20000602
US 2000-209451P P 20000605
US 2000-210060P P 20000607
US 2000-219507P P 20000720
US 2000-221337P P 20000726
US 2000-221927P P 20000731
US 2001-263135P P 20010119
US 2001-263688P P 20010124
US 2001-263694P P 20010124
US 2000-206597P P 20000524
US 2001-847702 A 20010503
US 2001-862475 A 20010523
US 2001-863776 A 20010523
WO 2001-US16551 W 20010523
WO 2001-US17073 W 20010524

L29 ANSWER 11 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:656207 HCAPLUS
DOCUMENT NUMBER: 139:192480
TITLE: Genetically modified non-human mammals and
animal cells containing disruption of serine
threonine kinase Akt2 gene
INVENTOR(S): Coleman, Kevin G.; Garofalo, Robert S.
PATENT ASSIGNEE(S): Pfizer Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 29 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003157076	A1	20030821	US 2003-360203	20030207
PRIORITY APPLN. INFO.:			US 2002-355106P	P 20020208

L29 ANSWER 12 OF 132 MEDLINE on STN DUPLICATE 3
ACCESSION NUMBER: 2003530043 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12928438
TITLE: Structural insights and biological effects of glycogen
synthase kinase 3-specific inhibitor AR-A014418.
AUTHOR: Bhat Ratan; Xue Yafeng; Berg Stefan; Hellberg Sven; Ormo
Mats; Nilsson Yvonne; Radesater Ann-Cathrin; Jerning Eva;
Markgren Per-Olof; Borgegard Thomas; Nylof Martin;
Gimenez-Cassina Alfredo; Hernandez Felix; Lucas Jose J;
Diaz-Nido Javier; Avila Jesus
CORPORATE SOURCE: AstraZeneca R&D, 15185 Sodertalje, Sweden, AstraZeneca R&D,
43183 Molndal, Sweden.. ratan.bhat@astrazeneca.com
SOURCE: Journal of biological chemistry, (2003 Nov 14) 278 (46)
45937-45.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: PDB-1Q5K
ENTRY MONTH: 200312
ENTRY DATE: Entered STN: 20031111
Last Updated on STN: 20031225
Entered Medline: 20031224

L29 ANSWER 13 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2003356612 MEDLINE
DOCUMENT NUMBER: 22753830 PubMed ID: 12740371
TITLE: AMP-activated protein kinase regulates HNF4alpha transcriptional activity by inhibiting dimer formation and decreasing protein stability.
AUTHOR: Hong Yu Holly; Varanasi Usha S; Yang Wenbo; Leff Todd
CORPORATE SOURCE: Department of Pathology and the Center for Integrative Metabolic and Endocrine Research, Wayne State University School of Medicine, Detroit, Michigan 48201, USA.
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2003 Jul 25) 278 (30) 27495-501.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200308
ENTRY DATE: Entered STN: 20030801
Last Updated on STN: 20030827
Entered Medline: 20030826

L29 ANSWER 14 OF 132 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
ACCESSION NUMBER: 2003:410438 SCISEARCH
THE GENUINE ARTICLE: 675EL
TITLE: Phosphoinositide 3-kinase-mediated reduction of insulin receptor substrate-1/2 protein **expression** via different mechanisms contributes to the insulin-induced desensitization of its signalling pathways in L6 muscle cells
AUTHOR: Pirola L; Bonnafe S; Johnston A M; Chaussade C; Portis F; Van Obberghen E (Reprint)
CORPORATE SOURCE: INSERM, U145, IFR50, Fac Med, F-06107 Nice 2, France (Reprint)
COUNTRY OF AUTHOR: France
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2 MAY 2003) Vol. 278, No. 18, pp. 15641-15651.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.
ISSN: 0021-9258.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 60
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L29 ANSWER 15 OF 132 MEDLINE on STN DUPLICATE 4
ACCESSION NUMBER: 2003344497 MEDLINE
DOCUMENT NUMBER: 22758975 PubMed ID: 12847291
TITLE: Activation of yeast Snf1 and mammalian AMP-activated protein kinase by upstream kinases.
AUTHOR: Hong Seung-Pyo; Leiper Fiona C; Woods Angela; Carling David; Carlson Marian
CORPORATE SOURCE: Department of Genetics and Development, Columbia University, New York, NY 10032, USA.
CONTRACT NUMBER: GM34095 (NIGMS)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE

UNITED STATES OF AMERICA, (2003 Jul 22) 100 (15) 8839-43.

Journal code: 7505876. ISSN: 0027-8424.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200309
ENTRY DATE: Entered STN: 20030724
Last Updated on STN: 20030903
Entered Medline: 20030902

L29 ANSWER 16 OF 132 MEDLINE on STN

ACCESSION NUMBER: 2003404104 MEDLINE
DOCUMENT NUMBER: 22793696 PubMed ID: 12912914
TITLE: Pak1 and PIX regulate contact inhibition during epithelial wound healing.
AUTHOR: Zegers Mirjam M P; Forget Marie-Annick; Chernoff Jonathan; Mostov Keith E; ter Beest Martin B A; Hansen Steen H
CORPORATE SOURCE: Department of Anatomy and Biochemistry and Biophysics, University of California San Francisco, Box 2140, 600 16th Street, San Francisco, CA 94143, USA.
CONTRACT NUMBER: R01 AI53194 (NIAID)
R01 GM56168 (NIGMS)
SOURCE: EMBO JOURNAL, (2003 Aug 15) 22 (16) 4155-65.
Journal code: 8208664. ISSN: 0261-4189.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200310
ENTRY DATE: Entered STN: 20030829
Last Updated on STN: 20031004
Entered Medline: 20031003

L29 ANSWER 17 OF 132 MEDLINE on STN

ACCESSION NUMBER: 2003285984 MEDLINE
DOCUMENT NUMBER: 22697653 PubMed ID: 12813465
TITLE: Tenascin-C blocks cell-cycle progression of anchorage-dependent fibroblasts on fibronectin through inhibition of syndecan-4.
AUTHOR: Orend Gertraud; Huang Wentao; Olayioye Monilola A; Hynes Nancy E; Chiquet-Ehrismann Ruth
CORPORATE SOURCE: Friedrich Miescher Institute for Biomedical Research, Novartis Forschungsstiftung, PO Box 2543, CH-4002 Basel, Switzerland.. Gertraud.Orend@unibas.ch
SOURCE: ONCOGENE, (2003 Jun 19) 22 (25) 3917-26.
Journal code: 8711562. ISSN: 0950-9232.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200307
ENTRY DATE: Entered STN: 20030619
Last Updated on STN: 20030725
Entered Medline: 20030724

L29 ANSWER 18 OF 132 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 2004:18291 SCISEARCH
THE GENUINE ARTICLE: 755GK
TITLE: Glycogen synthase kinase-3 regulates formation of long lamellipodia in human keratinocytes
AUTHOR: Koivisto L; Alavian K; Hakkinen L; Pelech S; McCulloch C A; Larjava H (Reprint)
CORPORATE SOURCE: Univ British Columbia, Fac Dent, Dept Oral Biol & Med Sci,

2199 Wesbrook Mall, Vancouver, BC V6T 1Z3, Canada
(Reprint); Univ British Columbia, Fac Dent, Dept Oral Biol
& Med Sci, Vancouver, BC V6T 1Z3, Canada; Kinexus
Bioinformat Corp, Vancouver, BC, Canada; Univ Toronto, Fac
Dent, Dept Biol & Diagnost Sci, Toronto, ON M5S 3E2,
Canada

COUNTRY OF AUTHOR: Canada
SOURCE: JOURNAL OF CELL SCIENCE, (15 SEP 2003) Vol. 116, No. 18,
pp. 3749-3760.
Publisher: COMPANY OF BIOLOGISTS LTD, BIDDER BUILDING
CAMBRIDGE COMMERCIAL PARK COWLEY RD, CAMBRIDGE CB4 4DL,
CAMBS, ENGLAND.
ISSN: 0021-9533.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 72
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L29 ANSWER 19 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2003458067 MEDLINE
DOCUMENT NUMBER: 22881833 PubMed ID: 12897058
TITLE: Ser-256 phosphorylation dynamics of Aquaporin 2 during
maturation from the ER to the vesicular compartment in
renal cells.
AUTHOR: Procino Giuseppe; Carmosino Monica; Marin Oriano; Brunati
Anna M; Contri Antonella; Pinna Lorenzo A; Mannucci
Roberta; Nielsen Soren; Kwon Tae-Hwan; Svelto Maria;
Valenti Giovanna
CORPORATE SOURCE: Dipartimento di Fisiologia Generale ed Ambientale,
University of Bari, 70126 Bari, Italy.
SOURCE: FASEB JOURNAL, (2003 Oct) 17 (13) 1886-8.
Journal code: 8804484. ISSN: 1530-6860.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200311
ENTRY DATE: Entered STN: 20031002
Last Updated on STN: 20031113
Entered Medline: 20031112

L29 ANSWER 20 OF 132 MEDLINE on STN DUPLICATE 5
ACCESSION NUMBER: 2003266209 MEDLINE
DOCUMENT NUMBER: 22677353 PubMed ID: 12791994
TITLE: TRB3: a tribbles homolog that inhibits Akt/PKB activation
by insulin in liver.
AUTHOR: Du Keyong; Herzig Stephan; Kulkarni Rohit N; Montminy Marc
CORPORATE SOURCE: Peptide Biology Laboratories, Salk Institute for Biological
Studies, 10010 North Torrey Pines Road, La Jolla, CA
92037-1002, USA.
SOURCE: SCIENCE, (2003 Jun 6) 300 (5625) 1574-7.
Journal code: 0404511. ISSN: 1095-9203.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200306
ENTRY DATE: Entered STN: 20030608
Last Updated on STN: 20030627
Entered Medline: 20030626

L29 ANSWER 21 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN DUPLICATE 6
ACCESSION NUMBER: 2004011141 EMBASE

TITLE: Insulin signalling, exercise and cellular integrity.
AUTHOR: Kirwan J.P.; Del Aguila L.F.
CORPORATE SOURCE: J.P. Kirwan, Department of Reproductive Biology, Case W.
Reserve Univ. Sch. of Med., MetroHealth Medical Center,
Cleveland, OH 44109-1998, United States. jpk10@cwru.edu
SOURCE: Biochemical Society Transactions, (2003) 31/6 (1281-1285).
Refs: 74
ISSN: 0300-5127 CODEN: BCSTB5
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Conference Article
FILE SEGMENT: 002 Physiology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L29 ANSWER 22 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2003132359 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12647305
TITLE: Involvement of MEKK1/ERK/P21Waf1/Cip1 signal transduction
pathway in inhibition of IGF-I-mediated cell growth
response by methylglyoxal.
AUTHOR: Du Jun; Cai Shaohui; Suzuki Haruhiko; Akhand Anwarul A; Ma
Xiuyang; Takagi Yoshikazu; Miyata Toshio; Nakashima Izumi;
Nagase Fumihiko
CORPORATE SOURCE: Department of Medical Technology, Nagoya University School
of Health Sciences, Aichi 461-8673, Japan..
togun@met.nagoya-u.ac.jp
SOURCE: Journal of cellular biochemistry, (2003 Apr 15) 88 (6)
1235-46.
Journal code: 8205768. ISSN: 0730-2312.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200312
ENTRY DATE: Entered STN: 20030321
Last Updated on STN: 20031217
Entered Medline: 20031211

L29 ANSWER 23 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2003042364 MEDLINE
DOCUMENT NUMBER: 22438716 PubMed ID: 12549928
TITLE: Cell surface heparan sulfate participates in CXCL1-induced
signaling.
AUTHOR: Wang Dingzhi; Sai Jiqing; Richmond Ann
CORPORATE SOURCE: Department of Veterans Affairs, and Department of Cancer
Biology, Vanderbilt University School of Medicine,
Nashville, Tennessee 37232, USA.
CONTRACT NUMBER: CA34590 (NCI)
CA56704 (NCI)
CA68485 (NCI)
SOURCE: BIOCHEMISTRY, (2003 Feb 4) 42 (4) 1071-7.
Journal code: 0370623. ISSN: 0006-2960.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200303
ENTRY DATE: Entered STN: 20030129
Last Updated on STN: 20030328
Entered Medline: 20030327

L29 ANSWER 24 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2003455539 MEDLINE

DOCUMENT NUMBER: 22879236 PubMed ID: 14517790
TITLE: The chemokine CCL21 modulates lymphocyte recruitment and fibrosis in chronic hepatitis C.
AUTHOR: Bonacchi Andrea; Petrai Ilaria; Defranco Raffaella M S; Lazzeri Elena; Annunziato Francesco; Efsen Eva; Cosmi Lorenzo; Romagnani Paola; Milani Stefano; Failli Paola; Batignani Giacomo; Liotta Francesco; Laffi Giacomo; Pinzani Massimo; Gentilini Paolo; Marra Fabio
CORPORATE SOURCE: Dipartimento di Medicina Interna, University of Florence, Florence, Italy.
SOURCE: GASTROENTEROLOGY, (2003 Oct) 125 (4) 1060-76.
Journal code: 0374630. ISSN: 0016-5085.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 200310
ENTRY DATE: Entered STN: 20031001
Last Updated on STN: 20031031
Entered Medline: 20031030

L29 ANSWER 25 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2003226551 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12747837
TITLE: AMPK beta subunit targets metabolic stress sensing to glycogen.
AUTHOR: Polekhina Galina; Gupta Abhilasha; Michell Belinda J; van Denderen Bryce; Murthy Sid; Feil Susanne C; Jennings Ian G; Campbell Duncan J; Witters Lee A; Parker Michael W; Kemp Bruce E; Stapleton David
CORPORATE SOURCE: St. Vincent's Institute of Medical Research, University of Melbourne, 41 Victoria Parade, Fitzroy, Australia.
CONTRACT NUMBER: DK35712 (NIDDK)
SOURCE: Current biology : CB, (2003 May 13) 13 (10) 867-71.
Journal code: 9107782. ISSN: 0960-9822.
PUB. COUNTRY: England; United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200401
ENTRY DATE: Entered STN: 20030516
Last Updated on STN: 20040123
Entered Medline: 20040122

L29 ANSWER 26 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 2003382541 EMBASE
TITLE: With a mere nod, uveitis enters a new era.
AUTHOR: Rosenbaum J.T.; Planck S.R.; Davey M.P.; Iwanaga Y.; Kurz D.E.; Martin T.M.
CORPORATE SOURCE: Dr. J.T. Rosenbaum, Casey Eye Institute, Oregon Health and Science University, 3375 SW Terwilliger Boulevard, Portland, OR 97239, United States. rosenbaj@ohsu.edu
SOURCE: American Journal of Ophthalmology, (1 Oct 2003) 136/4 (729-732).
Refs: 31
ISSN: 0002-9394 CODEN: AJOPAA
COUNTRY: United States
DOCUMENT TYPE: Journal; General Review
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
012 Ophthalmology
LANGUAGE: English
SUMMARY LANGUAGE: English

L29 ANSWER 27 OF 132 MEDLINE on STN DUPLICATE 7
 ACCESSION NUMBER: 2003094679 MEDLINE
 DOCUMENT NUMBER: 22494522 PubMed ID: 12606502
 TITLE: Enhanced basal activation of mitogen-activated protein kinases in adipocytes from type 2 diabetes: potential role of p38 in the downregulation of GLUT4 expression.
 AUTHOR: Carlson Christian J; Koterski Sandra; Sciotti Richard J; Pocard German Braillard; Rondinone Cristina M
 CORPORATE SOURCE: Insulin Signaling, Metabolic Diseases Division, Global Pharmaceutical Products Division, Abbott Laboratories, Abbott Park, IL 60064, USA.
 SOURCE: DIABETES, (2003 Mar) 52 (3) 634-41.
 Journal code: 0372763. ISSN: 0012-1797.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
 ENTRY MONTH: 200305
 ENTRY DATE: Entered STN: 20030228
 Last Updated on STN: 20030513
 Entered Medline: 20030509

L29 ANSWER 28 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
 ACCESSION NUMBER: 2003080908 EMBASE
 TITLE: Human tissue kallikrein: A new bullet for the treatment of ischemia.
 AUTHOR: Emanuelli C.; Madeddu P.
 CORPORATE SOURCE: P. Madeddu, Experimental Med./Gene Therapy Sec., National Laboratory, Natl. Inst. of Biostruct./Biosystems, Viale S. Antonio 1, 07033 Osilo, Italy. madeddu@yahoo.com
 SOURCE: Current Pharmaceutical Design, (2003) 9/7 (589-597).
 Refs: 46
 ISSN: 1381-6128 CODEN: CPDEFP
 COUNTRY: Netherlands
 DOCUMENT TYPE: Journal; General Review
 FILE SEGMENT: 006 Internal Medicine
 018 Cardiovascular Diseases and Cardiovascular Surgery
 022 Human Genetics
 030 Pharmacology
 037 Drug Literature Index
 038 Adverse Reactions Titles
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L29 ANSWER 29 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
 ACCESSION NUMBER: 2003358404 EMBASE
 TITLE: Expression of double-stranded RNA-activated protein kinase in keratinocytes and keratinocytic neoplasia.
 AUTHOR: Kuyama M.; Nakanishi G.; Arata J.; Iwatsuki K.; Fujimoto W.
 CORPORATE SOURCE: M. Kuyama, Department of Dermatology, Konko Hospital, 740 Uramishinden, Konko-cho, Asaguchi-gun, Okayama 719-0104, Japan
 SOURCE: Journal of Dermatology, (1 Aug 2003) 30/8 (579-589).
 Refs: 28
 ISSN: 0385-2407 CODEN: JDMYAG
 COUNTRY: Japan
 DOCUMENT TYPE: Journal; Article
 FILE SEGMENT: 013 Dermatology and Venereology
 016 Cancer
 LANGUAGE: English

SUMMARY LANGUAGE: English

L29 ANSWER 30 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2003388705 MEDLINE
DOCUMENT NUMBER: 22806862 PubMed ID: 12925217
TITLE: Histamine enhances the production of nerve growth factor in human keratinocytes.
AUTHOR: Kanda Naoko; Watanabe Shinichi
CORPORATE SOURCE: Department of Dermatology, Teikyo University, School of Medicine, 11-1 Kaga-2, Itabashi-Ku, Tokyo 173-8605, Japan.. nmk@med.teikyo-u.ac.jp
SOURCE: JOURNAL OF INVESTIGATIVE DERMATOLOGY, (2003 Sep) 121 (3) 570-7.
Journal code: 0426720. ISSN: 0022-202X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200310
ENTRY DATE: Entered STN: 20030820
Last Updated on STN: 20031008
Entered Medline: 20031006

L29 ANSWER 31 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2003048094 MEDLINE
DOCUMENT NUMBER: 22441968 PubMed ID: 12490536
TITLE: Aldose reductase mediates cytotoxic signals of hyperglycemia and TNF-alpha in human lens epithelial cells.
AUTHOR: Ramana Kota V; Friedrich Brian; Bhatnagar Aruni; Srivastava Satish K
CORPORATE SOURCE: Department of Human Biological Chemistry and Genetics, University of Texas Medical Branch, Galveston, Texas 77555-0647, USA.
SOURCE: FASEB JOURNAL, (2003 Feb) 17 (2) 315-7.
Journal code: 8804484. ISSN: 1530-6860.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200302
ENTRY DATE: Entered STN: 20030202
Last Updated on STN: 20030302
Entered Medline: 20030228

L29 ANSWER 32 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2003472756 MEDLINE
DOCUMENT NUMBER: 22825300 PubMed ID: 12943711
TITLE: The anti-apoptotic role of PPARbeta contributes to efficient skin wound healing.
AUTHOR: Di-Poi Nicolas; Michalik Liliane; Tan Nguan Soon; Desvergne Beatrice; Wahli Walter
CORPORATE SOURCE: Center for Integrative Genomics, NCCR Frontiers in Genetics, University of Lausanne, CH-1015 Lausanne, Switzerland.
SOURCE: JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR BIOLOGY, (2003 Jun) 85 (2-5) 257-65.
Journal code: 9015483. ISSN: 0960-0760.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200310
ENTRY DATE: Entered STN: 20031011

Last Updated on STN: 20031030
Entered Medline: 20031029

L29 ANSWER 33 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2002720966 MEDLINE
DOCUMENT NUMBER: 22371119 PubMed ID: 12482909
TITLE: Increased Sp1 phosphorylation as a mechanism of hepatocyte growth factor (HGF/SF)-induced vascular endothelial growth factor (VEGF/VPF) transcription.
AUTHOR: Reisinger Kerstin; Kaufmann Roland; Gille Jens
CORPORATE SOURCE: Department of Dermatology, Klinikum der J. W. Goethe-Universitat, Frankfurt am Main, Germany.
SOURCE: JOURNAL OF CELL SCIENCE, (2003 Jan 15) 116 (Pt 2) 225-38.
Journal code: 0052457. ISSN: 0021-9533.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200308
ENTRY DATE: Entered STN: 20021218
Last Updated on STN: 20030823
Entered Medline: 20030822

L29 ANSWER 34 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2003039112 MEDLINE
DOCUMENT NUMBER: 22434640 PubMed ID: 12546685
TITLE: Malonyl-CoA and AMP-activated protein kinase (AMPK): possible links between insulin resistance in muscle and early endothelial cell damage in **diabetes**.
AUTHOR: Ruderman N B; Cacicedo J M; Itani S; Yagihashi N; Saha A K; Ye J M; Chen K; Zou M; Carling D; Boden G; Cohen R A; Keaney J; Kraegen E W; Ido Y
CORPORATE SOURCE: Diabetes Unit, Section of Endocrinology and Department of Medicine, Boston University Medical Center, Boston, MA 02118, USA.. nruderman@medicine.bu.edu
CONTRACT NUMBER: DK19514 (NIDDK)
DK49147 (NIDDK)
M01-RR 00349 (NCRR)
SOURCE: BIOCHEMICAL SOCIETY TRANSACTIONS, (2003 Feb) 31 (Pt 1) 202-6. Ref: 57
Journal code: 7506897. ISSN: 0300-5127.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200311
ENTRY DATE: Entered STN: 20030128
Last Updated on STN: 20031111
Entered Medline: 20031110

L29 ANSWER 35 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:916366 HCAPLUS
TITLE: Cytokines and chemokines
AUTHOR(S): Berczi, Istvan; Szentivanyi, Andor
CORPORATE SOURCE: Department of Immunology, Faculty of Medicine, University of Manitoba, Winnipeg, MB, R3E 0W3, Can.
SOURCE: Neuroimmune Biology (2003), 3(Immune-Neuroendocrine Circuitry: History and Progress), 191-220
CODEN: NBEIAQ; ISSN: 1567-7443
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

REFERENCE COUNT: 134 THERE ARE 134 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L29 ANSWER 36 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN

ACCESSION NUMBER: 2003227457 EMBASE
TITLE: Modulation of metabolic control by angiotensin converting
enzyme (ACE) inhibition.
AUTHOR: Henriksen E.J.; Jacob S.
CORPORATE SOURCE: E.J. Henriksen, Department of Physiology, Ina E. Gittings
Building #93, University of Arizona, Tucson, AZ 85721-0093,
United States. ejhenrik@u.arizona.edu
SOURCE: Journal of Cellular Physiology, (1 Jul 2003) 196/1
(171-179).
Refs: 101
ISSN: 0021-9541 CODEN: JCLLAX
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
029 Clinical Biochemistry
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L29 ANSWER 37 OF 132 MEDLINE on STN

ACCESSION NUMBER: 2003039104 MEDLINE
DOCUMENT NUMBER: 22434632 PubMed ID: 12546677
TITLE: AMP-activated protein kinase, super metabolic regulator.
AUTHOR: Kemp B E; Stapleton D; Campbell D J; Chen Z-P; Murthy S;
Walter M; Gupta A; Adams J J; Katsis F; van Denderen B;
Jennings I G; Iseli T; Michell B J; Witters L A
CORPORATE SOURCE: St. Vincent's Institute of Medical Research, and Department
of Medicine, University of Melbourne, 41 Victoria Parade,
Fitzroy, Vic. 3065, Australia.. kemp@ariel.unimelb.edu.au
SOURCE: BIOCHEMICAL SOCIETY TRANSACTIONS, (2003 Feb) 31 (Pt 1)
162-8. Ref: 78
Journal code: 7506897. ISSN: 0300-5127.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200311
ENTRY DATE: Entered STN: 20030128
Last Updated on STN: 20031111
Entered Medline: 20031110

L29 ANSWER 38 OF 132 MEDLINE on STN

ACCESSION NUMBER: 2003455501 MEDLINE
DOCUMENT NUMBER: 22879194 PubMed ID: 14516792
TITLE: The inhibition of MAPK pathway is correlated with
down-regulation of MMP-9 secretion induced by TNF-alpha in
human keratinocytes.
AUTHOR: Holvoet Sebastien; Vincent Claude; Schmitt Daniel; Serres
Mireille
CORPORATE SOURCE: Laboratoire Peau Humaine et Immunité, Unité INSERM 346,
Pavillon R, Hôpital E. Herriot, 69437 Lyon Cedex 03,
France.
SOURCE: EXPERIMENTAL CELL RESEARCH, (2003 Oct 15) 290 (1) 108-19.
Journal code: 0373226. ISSN: 0014-4827.
PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200311
ENTRY DATE: Entered STN: 20031001
Last Updated on STN: 20031104
Entered Medline: 20031103

L29 ANSWER 39 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:78696 HCAPLUS
DOCUMENT NUMBER: 138:285049
TITLE: STAT5a activation mediates the epithelial to
mesenchymal transition induced by oncogenic RhoA
AUTHOR(S): Benitah, Salvador Aznar; Valeron, Pilar F.; Rui,
Hallgeir; Lacal, Juan Carlos
CORPORATE SOURCE: Instituto de Investigaciones Biomedicas, CSIC, Madrid,
Spain
SOURCE: Molecular Biology of the Cell (2003), 14(1), 40-53
CODEN: MBCEEV; ISSN: 1059-1524
PUBLISHER: American Society for Cell Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 73 THERE ARE 73 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 40 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN
ACCESSION NUMBER: 2003044098 EMBASE
TITLE: Bone morphogenetic proteins and their antagonists in skin
and hair follicle biology.
AUTHOR: Botchkarev V.A.
CORPORATE SOURCE: V.A. Botchkarev, Department of Dermatology, Boston
University School of Medicine, 609 Albany Street, Boston,
MA 02118, United States. VLadbotc@bu.edu
SOURCE: Journal of Investigative Dermatology, (2003) 120/1 (36-47).
Refs: 183
ISSN: 0022-202X CODEN: JIDEAE
COUNTRY: United States
DOCUMENT TYPE: Journal; General Review
FILE SEGMENT: 013 Dermatology and Venereology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L29 ANSWER 41 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-08487 BIOTECHDS
TITLE: New library of single-stranded large circular antisense
compounds derived from **recombinant** bacteriophage or
phagemid vectors, useful for treating cancer, viral
infection, metabolic diseases, or immunologic diseases;
antisense sequence and vector **expression** in host
cell for use in gene therapy
AUTHOR: PARK J; MOON I; LEE Y
PATENT ASSIGNEE: WELGENE PHARM INC
PATENT INFO: WO 2002092807 21 Nov 2002
APPLICATION INFO: WO 2002-IB1753 16 May 2002
PRIORITY INFO: KR 2001-27071 17 May 2001; KR 2001-27071 17 May 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-120686 [11]

L29 ANSWER 42 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-00696 BIOTECHDS
TITLE: New mus musculus mDYRK2 polypeptide and polynucleotide

related to serine/threonine kinase family, useful for identifying modulators of the polypeptide for treating cardiovascular, neurological and immune disorders;

recombinant protein production and sense and antisense sequence use in disease therapy and gene therapy

AUTHOR: CREASY C L; BURNS B M
PATENT ASSIGNEE: SMITHKLINE BEECHAM CORP
PATENT INFO: US 2002064852 30 May 2002
APPLICATION INFO: US 2001-855154 14 May 2001
PRIORITY INFO: US 2001-855154 14 May 2001; US 2000-204489 16 May 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-573698 [61]

L29 ANSWER 43 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-09255 BIOTECHDS

TITLE: New **human** serine/threonine protein kinase-like enzyme polypeptide and polynucleotide, useful for regulating the activity of the protein kinase-like enzyme to prevent, treat or ameliorate **diabetes**, cancer or obesity; vector-mediated protein-kinase-like protein gene transfer and **expression** in host cell for **recombinant** protein production, drug screening and gene therapy

AUTHOR: SMOLYAR A; HORNER E J; THELWELL C
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2002099096 12 Dec 2002
APPLICATION INFO: WO 2002-EP6203 6 Jun 2002
PRIORITY INFO: US 2002-348601 17 Jan 2002; US 2001-296164 7 Jun 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-140620 [13]

L29 ANSWER 44 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-08703 BIOTECHDS

TITLE: New serine/threonine protein kinase-like enzyme polypeptide and encoding polynucleotide, useful for modulating the activity of the kinase-like enzyme in disorders such as cancer, cardiovascular diseases, obesity and **diabetes**

;

recombinant protein-kinase and its encoding gene for use in disease therapy, gene therapy and drug screening

AUTHOR: SMOLYAR A
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2002099094 12 Dec 2002
APPLICATION INFO: WO 2002-EP6137 4 Jun 2002
PRIORITY INFO: US 2001-296165 7 Jun 2001; US 2001-296165 7 Jun 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-140619 [13]

L29 ANSWER 45 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-08594 BIOTECHDS

TITLE: Novel **human** serine **threonine** **kinase** member, designated h2520-40 polypeptide useful for treating immune disorders, angiogenesis, **diabetes** mellitus, **psoriasis**, hepatitis, cirrhosis, rheumatoid arthritis, cancer; virus vector-mediated **recombinant** fusion protein gene transfer and **expression** in host cell, transgenic animal and bioinformatics for disease diagnosis and gene therapy

AUTHOR: BOYLAN J F; BOWERS A J
PATENT ASSIGNEE: AMGEN INC
PATENT INFO: WO 2002092760 21 Nov 2002
APPLICATION INFO: WO 2002-US14460 9 May 2002
PRIORITY INFO: US 2001-290276 10 May 2001; US 2001-290276 10 May 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-120668 [11]

L29 ANSWER 46 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-04622 BIOTECHDS
TITLE: New **human** serine/threonine protein kinase
polypeptide and polynucleotide, useful for regulating the
activity of the protein kinase to prevent, treat or
ameliorate cancer, nervous system disorders or cardiovascular
disorders;
human recombinant protein production,
its antibody, antisense oligonucleotide and ribozyme
useful for gene therapy and diagnosis

AUTHOR: SMOLYAR A
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2002070678 12 Sep 2002
APPLICATION INFO: WO 2002-EP1113 4 Feb 2002
PRIORITY INFO: US 2001-308104 30 Jul 2001; US 2001-265903 5 Feb 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-713448 [77]

L29 ANSWER 47 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-12390 BIOTECHDS
TITLE: Regulation of apoptosis by promoting or inhibiting the
intracellular binding of Akt with Hsp90, useful for
prevention and treatment of apoptosis-regulation associated
diseases including cancer;
recombinant protein production via plasmid
expression in host cell and antibody useful for
drug screening and in disease therapy and prevention

AUTHOR: TSURUO T; FUJITA N; SATO S
PATENT ASSIGNEE: KYOWA HAKKO KOGYO KK; TSURUO T
PATENT INFO: WO 2002015925 28 Feb 2002
APPLICATION INFO: WO 2000-JP7179 22 Aug 2000
PRIORITY INFO: JP 2000-251529 22 Aug 2000
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
OTHER SOURCE: WPI: 2002-292035 [33]

L29 ANSWER 48 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-11242 BIOTECHDS
TITLE: Forming new blood vessels in tissue in subject, or increasing
blood flow to tissue in subject, involves isolating
autologous bone-marrow mononuclear cells from subject and
transplanting the cells locally into tissue;
vector-mediated gene transfer and **expression** in
bone marrow mononuclear cell for use in **diabetes**
, hemophilia, bone disease, kidney failure, chronic
hepatitis, cardiovascular disorder, Parkinson disease,
epilepsy, Alzheimerdisease, Huntington chorea, liver
failure, muscular dystrophy, cancer and infection disease
gene therapy

AUTHOR: UENO T; MUROHARA T; ROBINSON K A; CHRONOS N A F; BALDWIN S;
PALASIS M
PATENT ASSIGNEE: SCIMED LIFE SYSTEMS INC
PATENT INFO: WO 2002008389 31 Jan 2002
APPLICATION INFO: WO 2000-US23438 26 Jul 2000

PRIORITY INFO: US 2000-220834 26 Jul 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-227043 [28]

L29 ANSWER 49 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-17807 BIOTECHDS
TITLE: Nucleic acid molecules encoding calcium/calmodulin-dependent protein kinases, useful for preventing diagnosing and treating e.g. cancers, **psoriasis** and inflammation; **recombinant** protein production by vector-mediated gene transfer and **expression** in host cell, useful for gene therapy
AUTHOR: YE J; YAN C; DI FRANCESCO V; BEASLEY E M
PATENT ASSIGNEE: PE CORP NY
PATENT INFO: US 6387677 14 May 2002
APPLICATION INFO: US 2001-800960 8 Mar 2001
PRIORITY INFO: US 2001-800960 8 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-478444 [51]

L29 ANSWER 50 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:946302 HCAPLUS
DOCUMENT NUMBER: 138:35293
TITLE: **Cloning**, sequences, and drug screening use of **human** and murine protein kinase DAKAR (death associated kinase containing ankyrin repeats)
INVENTOR(S): Bird, Timothy A.; Holland, Pamela M.; Peschon, Jacques J.; Virca, George D.
PATENT ASSIGNEE(S): Immunex Corporation, USA
SOURCE: PCT Int. Appl., 154 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002098894	A1	20021212	WO 2002-US18039	20020604
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2003087411	A1	20030508	US 2002-164080	20020604
PRIORITY APPLN. INFO.:			US 2001-295959P P	20010604
			US 2001-334362P P	20011129
REFERENCE COUNT:	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L29 ANSWER 51 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:676195 HCAPLUS
DOCUMENT NUMBER: 137:227713
TITLE: **Human** cDNA sequences and their encoded proteins and diagnostic and therapeutic uses
INVENTOR(S): Tchernev, Velizar T.; Spytek, Kimberly A.; Zerhusen, Bryan D.; Patturajan, Meera; Shimkets, Richard A.; Li,

Li; Gangolli, Esha A.; Padigaru, Muralidhara;
 Anderson, David W.; Rastelli, Luca; Miller, Charles
 E.; Gerlach, Valerie L.; Taupier, Raymond J., Jr.;
 Gusev, Vladimir Y.; Colman, Steven D.; Wolenc, Adam
 R.; Pena, Carol E. A.; Furtak, Katarzyna; Grosse,
 William M.; Alsobrook, John P., II; Lepley, Denise M.;
 Rieger, Daniel K.; Burgess, Catherine E.
 PATENT ASSIGNEE(S): Curagen Corporation, USA
 SOURCE: PCT Int. Appl., 1498 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 89
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 2002068649	A2	20020906	WO 2002-US2785	20020131
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 2001-265395P	P 20010131
			US 2001-265412P	P 20010131
			US 2001-265514P	P 20010131
			US 2001-265517P	P 20010131
			US 2001-266406P	P 20010202
			US 2001-266767P	P 20010205
			US 2001-266975P	P 20010207
			US 2001-267057P	P 20010207
			US 2001-267459P	P 20010208
			US 2001-267823P	P 20010209
			US 2001-268974P	P 20010215
			US 2001-271664P	P 20010226
			US 2001-271839P	P 20010227
			US 2001-271855P	P 20010227
			US 2001-272788P	P 20010302
			US 2001-273046P	P 20010302
			US 2001-275925P	P 20010314
			US 2001-275947P	P 20010314
			US 2001-275950P	P 20010314
			US 2001-275989P	P 20010314

L29 ANSWER 52 OF 132 MEDLINE on STN DUPLICATE 10
 ACCESSION NUMBER: 2002709148 MEDLINE
 DOCUMENT NUMBER: 22358992 PubMed ID: 12351658
 TITLE: Serine phosphorylation of insulin receptor substrate 1 by inhibitor kappa B kinase complex.
 AUTHOR: Gao Zhanguo; Hwang Daniel; Bataille Fredly; Lefevre Michael; York David; Quon Michael J; Ye Jianping
 CORPORATE SOURCE: Pennington Biomedical Research Center, Louisiana State University, Baton Rouge 70808, USA.
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Dec 13) 277 (50) 48115-21.
 Journal code: 2985121R. ISSN: 0021-9258.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200301

ENTRY DATE: Entered STN: 20021217
Last Updated on STN: 20030129
Entered Medline: 20030128

L29 ANSWER 53 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2002253084 MEDLINE
DOCUMENT NUMBER: 21988143 PubMed ID: 11872750
TITLE: Ubiquitin (UbC) **expression** in muscle cells is
increased by glucocorticoids through a mechanism involving
Spl and MEK1.
AUTHOR: Marinovic Anne C; Zheng Bin; Mitch William E; Price S Russ
CORPORATE SOURCE: Renal Division, Emory University, Atlanta, Georgia 30322,
USA.
CONTRACT NUMBER: DK37175 (NIDDK)
DK50740 (NIDDK)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 May 10) 277 (19)
16673-81.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF232305; GENBANK-D63791
ENTRY MONTH: 200206
ENTRY DATE: Entered STN: 20020507
Last Updated on STN: 20030105
Entered Medline: 20020613

L29 ANSWER 54 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2002495222 MEDLINE
DOCUMENT NUMBER: 22243778 PubMed ID: 12356298
TITLE: Apparent loss-of-function mutant GPCRs revealed as
constitutively desensitized receptors.
AUTHOR: Wilbanks Alyson M; Laporte Stephane A; Bohn Laura M; Barak
Larry S; Caron Marc G
CORPORATE SOURCE: Howard Hughes Medical Institute Laboratories, Departments
of Cell Biology and Medicine, Duke University Medical
Center, Durham, NC 27710, USA.
CONTRACT NUMBER: DA 14600 (NIDA)
HL 61365 (NHLBI)
NS 19576 (NINDS)
SOURCE: BIOCHEMISTRY, (2002 Oct 8) 41 (40) 11981-9.
Journal code: 0370623. ISSN: 0006-2960.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200211
ENTRY DATE: Entered STN: 20021002
Last Updated on STN: 20021213
Entered Medline: 20021122

L29 ANSWER 55 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2002293934 MEDLINE
DOCUMENT NUMBER: 22030178 PubMed ID: 12033944
TITLE: PAK1 kinase is required for CXCL1-induced chemotaxis.
AUTHOR: Wang Dingzhi; Sai Jiging; Carter Glendora; Sachpatzidis
Aristidis; Lolis Elias; Richmond Ann
CORPORATE SOURCE: Department of Veterans Affairs, Nashville, Tennessee 37232,
USA.
CONTRACT NUMBER: CA34590 (NCI)
CA56704 (NCI)
CA68485 (NCI)
SOURCE: BIOCHEMISTRY, (2002 Jun 4) 41 (22) 7100-7.

Journal code: 0370623. ISSN: 0006-2960.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200207
ENTRY DATE: Entered STN: 20020530
Last Updated on STN: 20020707
Entered Medline: 20020705

L29 ANSWER 56 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2002698687 MEDLINE
DOCUMENT NUMBER: 22335634 PubMed ID: 12446608
TITLE: 1,25-dihydroxyvitamin D3 protects RINm5F and human
islet cells against cytokine-induced apoptosis: implication
of the antiapoptotic protein A20.
AUTHOR: Riachy Rita; Vandewalle Brigitte; Kerr Conte Julie; Moerman
Ericka; Sacchetti Paola; Lukowiak Bruno; Gmyr Valery;
Bouckennooghe Thomas; Dubois Mathilde; Pattou Francois
CORPORATE SOURCE: Cellular Therapy of Diabetes, Institut National de la Sante
et de la Recherche Medicale, Equipe de Recherche et
d'Innovation Methodologique 0106, Faculte de Medecine,
59045 Lille, France.
SOURCE: ENDOCRINOLOGY, (2002 Dec) 143 (12) 4809-19.
Journal code: 0375040. ISSN: 0013-7227.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 200212
ENTRY DATE: Entered STN: 20021217
Last Updated on STN: 20021227
Entered Medline: 20021224

L29 ANSWER 57 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2002241943 MEDLINE
DOCUMENT NUMBER: 21966281 PubMed ID: 11971029
TITLE: Dimethylfumarate inhibits TNF-induced nuclear entry of
NF-kappa B/p65 in human endothelial cells.
AUTHOR: Loewe Robert; Holnthoner Wolfgang; Groger Marion; Pillinger
Manuela; Gruber Florian; Mechtcheriakova Diana; Hofer
Erhard; Wolff Klaus; Petzelbauer Peter
CORPORATE SOURCE: Department of Dermatology, Division of General Dermatology,
University of Vienna Medical School, Vienna, Austria.
SOURCE: JOURNAL OF IMMUNOLOGY, (2002 May 1) 168 (9) 4781-7.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 200205
ENTRY DATE: Entered STN: 20020501
Last Updated on STN: 20020518
Entered Medline: 20020517

L29 ANSWER 58 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN
ACCESSION NUMBER: 2002179358 EMBASE
TITLE: The PERK eukaryotic initiation factor 2.alpha. kinase is
required for the development of the skeletal system,
postnatal growth, and the function and viability of the
pancreas.
AUTHOR: Zhang P.; McGrath B.; Li S.; Frank A.; Zambito F.; Reinert
J.; Gannon M.; Ma K.; McNaughton K.; Cavener D.R.

CORPORATE SOURCE: D.R. Cavener, Department of Biology, 208 Mueller Lab.,
Pennsylvania State University, University Park, PA 16802,
United States. drc9@psu.edu
SOURCE: Molecular and Cellular Biology, (2002) 22/11 (3864-3874).
Refs: 42
ISSN: 0270-7306 CODEN: MCEBD4
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 021 Developmental Biology and Teratology
029 Clinical Biochemistry
048 Gastroenterology
LANGUAGE: English
SUMMARY LANGUAGE: English

L29 ANSWER 59 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2002438759 MEDLINE
DOCUMENT NUMBER: 22184046 PubMed ID: 12196460
TITLE: Troglitazone treatment increases protein kinase B
phosphorylation in skeletal muscle of normoglycemic
subjects at risk for the development of type 2
diabetes.
AUTHOR: Meyer Marco M; Levin Klaus; Grimmsmann Thomas; Perwitz
Nina; Eirich Alexandra; Beck-Nielsen Henning; Klein Harald
H
CORPORATE SOURCE: Medizinische Klinik 1, Medizinische Universitat zu Lubeck,
Lubeck, Germany.
SOURCE: DIABETES, (2002 Sep) 51 (9) 2691-7.
Journal code: 0372763. ISSN: 0012-1797.
PUB. COUNTRY: United States
DOCUMENT TYPE: (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 200209
ENTRY DATE: Entered STN: 20020829
Last Updated on STN: 20020919
Entered Medline: 20020918

L29 ANSWER 60 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2002334048 MEDLINE
DOCUMENT NUMBER: 22072093 PubMed ID: 12077355
TITLE: Hyperproliferation, induction of c-Myc and 14-3-3sigma, but
no cell fragility in keratin-10-null mice.
AUTHOR: Reichelt Julia; Magin Thomas M
CORPORATE SOURCE: Institute of Physiological Chemistry and Bonner Forum
Biomedizin, University of Bonn, Nussallee 11, 53115 Bonn,
Germany.
SOURCE: JOURNAL OF CELL SCIENCE, (2002 Jul 1) 115 (Pt 13) 2639-50.
Journal code: 0052457. ISSN: 0021-9533.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200211
ENTRY DATE: Entered STN: 20020623
Last Updated on STN: 20021214
Entered Medline: 20021126

L29 ANSWER 61 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:430776 HCAPLUS
DOCUMENT NUMBER: 137:292760
TITLE: Gene **expression** profile in skeletal muscle
of type 2 **diabetes** and the effect of insulin

treatment
 AUTHOR(S): Sreekumar, Raghavakaimal; Halvatsiotis, Panagiotis;
 Schimke, Jill Coenen; Nair, K. Sreekumaran
 CORPORATE SOURCE: Endocrinology Division, Mayo Clinic, Rochester, MN,
 55905, USA
 SOURCE: Diabetes (2002), 51(6), 1913-1920
 CODEN: DIAEAZ; ISSN: 0012-1797
 PUBLISHER: American Diabetes Association
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 62 OF 132 MEDLINE on STN
 ACCESSION NUMBER: 2002299475 MEDLINE
 DOCUMENT NUMBER: 22036376 PubMed ID: 12040186
 TITLE: The phosphoinositide 3-kinase pathway.
 AUTHOR: Cantley Lewis C
 CORPORATE SOURCE: Department of Cell Biology, Harvard Medical School and
 Division of Signal Transduction, Beth Israel Deaconess
 Medical Center, Boston, MA 02115-5713, USA..
 cantley@helix.mgh.harvard.edu
 SOURCE: SCIENCE, (2002 May 31) 296 (5573) 1655-7. Ref: 8
 Journal code: 0404511. ISSN: 1095-9203.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200207
 ENTRY DATE: Entered STN: 20020602
 Last Updated on STN: 20020707
 Entered Medline: 20020705

L29 ANSWER 63 OF 132 MEDLINE on STN
 ACCESSION NUMBER: 2002470430 MEDLINE
 DOCUMENT NUMBER: PubMed ID: 12231560
 TITLE: Plasmin induces Cyr61 gene **expression** in
 fibroblasts via protease-activated receptor-1 and p44/42
 mitogen-activated protein kinase-dependent signaling
 pathway.
 AUTHOR: Pendurthi Usha R; Ngyuen Mylinh; Andrade-Gordon Patricia;
 Petersen Lars C; Rao L Vijaya Mohan
 CORPORATE SOURCE: Biomedical Research, The University of Texas Health Center
 at Tyler, Tex 75708, USA.. usha.pendurthi@uthct.edu
 CONTRACT NUMBER: HL58869 (NHLBI)
 HL65500 (NHLBI)
 SOURCE: Arteriosclerosis, thrombosis, and vascular biology, (2002
 Sep 1) 22 (9) 1421-6.
 Journal code: 9505803. ISSN: 1524-4636.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200210
 ENTRY DATE: Entered STN: 20020917
 Last Updated on STN: 20021008
 Entered Medline: 20021007

L29 ANSWER 64 OF 132 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
 ACCESSION NUMBER: 2002:459217 SCISEARCH
 THE GENUINE ARTICLE: 554WL
 TITLE: Mechanism by which high-dose aspirin improves glucose

metabolism in type 2 **diabetes**

AUTHOR: Hundal R S; Petersen K F; Mayerson A B; Randhawa P S; Inzucchi S; Shoelson S E; Shulman G I (Reprint)

CORPORATE SOURCE: Yale Univ, Sch Med, Boyer Ctr Mol Med 254C, Howard Hughes Med Inst, 295 Congress Ave, New Haven, CT 06536 USA (Reprint); Yale Univ, Sch Med, Boyer Ctr Mol Med 254C, Howard Hughes Med Inst, New Haven, CT 06536 USA; Yale Univ, Sch Med, Dept Internal Med, New Haven, CT 06536 USA; Yale Univ, Sch Med, Dept Cellular & Mol Physiol, New Haven, CT 06536 USA; Harvard Univ, Sch Med, Joslin Diabet Ctr, Boston, MA 02115 USA; Harvard Univ, Sch Med, Dept Med, Boston, MA 02115 USA

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF CLINICAL INVESTIGATION, (MAY 2002) Vol. 109, No. 10, pp. 1321-1326.
 Publisher: AMER SOC CLINICAL INVESTIGATION INC, 35 RESEARCH DR, STE 300, ANN ARBOR, MI 48103 USA.
 ISSN: 0021-9738.

DOCUMENT TYPE: Article; Journal

LANGUAGE: English

REFERENCE COUNT: 29

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L29 ANSWER 65 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

ACCESSION NUMBER: 2003032909 EMBASE

TITLE: Protein kinase C-.epsilon. (PKC-.epsilon.): Its unique structure and function.

AUTHOR: Akita Y.

CORPORATE SOURCE: . akita@rinshoken.or.jp

SOURCE: Journal of Biochemistry, (1 Dec 2002) 132/6 (847-852).
 Refs: 76
 ISSN: 0021-924X CODEN: JOBIAO

COUNTRY: Japan

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

L29 ANSWER 66 OF 132 MEDLINE on STN

ACCESSION NUMBER: 2002660698 MEDLINE

DOCUMENT NUMBER: 22307561 PubMed ID: 12419217

TITLE: Antiapoptotic role of PPARbeta in keratinocytes via transcriptional control of the Akt1 signaling pathway.

AUTHOR: Di-Poi Nicolas; Tan Nguan Soon; Michalik Liliane; Wahli Walter; Desvergne Beatrice

CORPORATE SOURCE: Institut de Biologie Animale, Universite de Lausanne, CH-1015, Lausanne, Switzerland.

SOURCE: MOLECULAR CELL, (2002 Oct) 10 (4) 721-33.
 Journal code: 9802571. ISSN: 1097-2765.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200211

ENTRY DATE: Entered STN: 20021108
 Last Updated on STN: 20021212
 Entered Medline: 20021125

L29 ANSWER 67 OF 132 MEDLINE on STN

ACCESSION NUMBER: 2003043919 MEDLINE

DOCUMENT NUMBER: 22440699 PubMed ID: 12553667

TITLE: The secretory beta-amyloid precursor protein is a motogen for **human** epidermal keratinocytes.

AUTHOR: Kirfel Gregor; Borm Bodo; Rigort Alexander; Herzog Volker
CORPORATE SOURCE: Institute for Cell Biology and Bonner Forum Biomedizin,
University of Bonn, Bonn, Germany.. g.kirfel@uni-bonn.de
SOURCE: EUROPEAN JOURNAL OF CELL BIOLOGY, (2002 Dec) 81 (12)
664-76.
Journal code: 7906240. ISSN: 0171-9335.
PUB. COUNTRY: Germany: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200307
ENTRY DATE: Entered STN: 20030130
Last Updated on STN: 20030729
Entered Medline: 20030728

L29 ANSWER 68 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2002176960 MEDLINE
DOCUMENT NUMBER: 21906618 PubMed ID: 11909817
TITLE: Decreased nitric oxide synthesis in **human**
endothelial cells cultured on type I collagen.
AUTHOR: Gonzalez-Santiago L; Lopez-Ongil S; Rodriguez-Puyol M;
Rodriguez-Puyol D
CORPORATE SOURCE: Department of Physiology, School of Medicine, Hospital
Principe de Asturias, Alcala University, and Instituto
Reina Sofia de Investigacion Nefrologica, Madrid, Spain.
SOURCE: CIRCULATION RESEARCH, (2002 Mar 22) 90 (5) 539-45.
Journal code: 0047103. ISSN: 1524-4571.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200203
ENTRY DATE: Entered STN: 20020324
Last Updated on STN: 20020401
Entered Medline: 20020326

L29 ANSWER 69 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN
ACCESSION NUMBER: 2002297870 EMBASE
TITLE: Death associated protein kinase as a potential therapeutic
target.
AUTHOR: Schumacher A.M.; Velentza A.V.; Watterson D.M.
CORPORATE SOURCE: D.M. Watterson, Drug Discovery Programme, Dept. of Mol.
Pharmacol./Biol. Chem., Northwestern University Chicago,
303 East Chicago Avenue, Chicago, IL 60611, United States.
m-watterson@northwestern.edu
SOURCE: Expert Opinion on Therapeutic Targets, (2002) 6/4
(497-506).
Refs: 64
ISSN: 1472-8222 CODEN: EOTTAO
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; General Review
FILE SEGMENT: 008 Neurology and Neurosurgery
016 Cancer
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L29 ANSWER 70 OF 132 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
ACCESSION NUMBER: 2002:602178 SCISEARCH
THE GENUINE ARTICLE: 571KL
TITLE: Inhibition of protein kinase B/Akt: implications for
cancer therapy

AUTHOR: Hill M M; Hemmings B A (Reprint)
 CORPORATE SOURCE: Friedrich Miescher Inst, Maulbeerstr 66, CH-4058 Basel, Switzerland (Reprint); Friedrich Miescher Inst, CH-4058 Basel, Switzerland
 COUNTRY OF AUTHOR: Switzerland
 SOURCE: PHARMACOLOGY & THERAPEUTICS, (FEB-MAR 2002) Vol. 93, No. 2-3, pp. 243-251.
 Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND.
 ISSN: 0163-7258.
 DOCUMENT TYPE: Article; Journal
 LANGUAGE: English
 REFERENCE COUNT: 97
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L29 ANSWER 71 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

ACCESSION NUMBER: 2002070413 EMBASE
 TITLE: Over-expression of the glucagon-like peptide-1 receptor on INS-1 cells confers autocrine stimulation of insulin gene promoter activity: A strategy for production of pancreatic .beta.-cell lines for use in transplantation.
 AUTHOR: Chepurny O.G.; Holz G.G.
 CORPORATE SOURCE: G.G. Holz, Department of Physiology, New York Univ. School of Medicine, New York, NY 10016, United States.
 holzg01@popmail.med.nyu.edu
 SOURCE: Cell and Tissue Research, (2002) 307/2 (191-201).
 Refs: 30
 ISSN: 0302-766X CODEN: CTSRCS
 COUNTRY: Germany
 DOCUMENT TYPE: Journal; Article
 FILE SEGMENT: 003 Endocrinology
 006 Internal Medicine
 030 Pharmacology
 037 Drug Literature Index
 048 Gastroenterology
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L29 ANSWER 72 OF 132 MEDLINE on STN

ACCESSION NUMBER: 2002055853 MEDLINE
 DOCUMENT NUMBER: 21640486 PubMed ID: 11781356
 TITLE: Diabetic LDL inhibits cell-cycle progression via STAT5B and p21(waf).
 AUTHOR: Brizzi Maria Felice; Dentelli Patrizia; Pavan Marzia; Rosso Arturo; Gambino Roberto; Grazia De Cesaris Maria; Garbarino Giovanni; Camussi Giovanni; Pagano Gianfranco; Pegoraro Luigi
 CORPORATE SOURCE: Dipartimento di Medicina Interna Universita di Torino, Torino, Italy.
 SOURCE: JOURNAL OF CLINICAL INVESTIGATION, (2002 Jan) 109 (1) 111-9.
 Journal code: 7802877. ISSN: 0021-9738.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
 ENTRY MONTH: 200202
 ENTRY DATE: Entered STN: 20020125
 Last Updated on STN: 20020212
 Entered Medline: 20020211

L29 ANSWER 73 OF 132 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 2002:74113 BIOSIS

DOCUMENT NUMBER: PREV200200074113
TITLE: Cell volume-regulated **human** kinase h-sgk.
AUTHOR(S): Lang, Florian [Inventor, Reprint author]; Waldegger, Siegfried [Inventor]
CORPORATE SOURCE: Im Rotbad 52, 72076 Tübingen, Germany
PATENT INFORMATION: US 6326181 December 04, 2001
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Dec. 4, 2001) Vol. 1253, No. 1.
ftp://ftp.uspto.gov/pub/patdata/. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 16 Jan 2002
Last Updated on STN: 25 Feb 2002

L29 ANSWER 74 OF 132 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2001:559397 BIOSIS
DOCUMENT NUMBER: PREV200100559397
TITLE: ERK1 MAP2 protein kinase.
AUTHOR(S): Boulton, Teri G. [Inventor, Reprint author]; Cobb, Melanie H. [Inventor]; Yancopoulos, George D. [Inventor]; Nye, Steven [Inventor]; Panayotatos, Nikos [Inventor]
CORPORATE SOURCE: Irving, TX, USA
ASSIGNEE: Regeneron Pharmaceuticals, Inc.; University of Texas, Austin, TX, USA
PATENT INFORMATION: US 6297035 October 02, 2001
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Oct. 2, 2001) Vol. 1251, No. 1. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 5 Dec 2001
Last Updated on STN: 25 Feb 2002

L29 ANSWER 75 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2001-11007 BIOTECHDS
TITLE: Novel murine serine/**threonine-kinase**
polypeptides and polynucleotides for identifying agonists, antagonists useful for treating anemia, cancer, rheumatoid arthritis, **psoriasis**, psychotic and neurological disorders;
recombinant protein useful in therapy
AUTHOR: Creasy C L; Hughes S A; Wojchowski D M
PATENT ASSIGNEE: SK-Beecham
LOCATION: Philadelphia, PA, USA; Brentford, UK.
PATENT INFO: WO 2001032889 10 May 2001
APPLICATION INFO: WO 2000-US30505 6 Nov 2000
PRIORITY INFO: US 2000-706385 3 Nov 2000; US 1999-163621 4 Nov 1999
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2001-335832 [35]

L29 ANSWER 76 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:868500 HCAPLUS
DOCUMENT NUMBER: 136:15943
TITLE: **Human** proteins and nucleic acids encoding them
INVENTOR(S): Spytek, Kimberly A.; Majumder, Kumud; Tchernev, Velizar T.; Mishra, Vishnu; Padigar, Muralidhara; Spaderna, Steven K.; Shenoy, Suresh; Rastelli, Luca; Li, Li; Taupier, Raymond J.; Gangolli, Esha
PATENT ASSIGNEE(S): Curagen Corporation, USA
SOURCE: PCT Int. Appl., 266 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001090155	A2	20011129	WO 2001-US17073	20010524
WO 2001090155	A3	20031002		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2003198953	A1	20031023	US 2001-863776	20010523
AU 2001069713	A5	20011203	AU 2002-69713	20010524
EP 1364014	A2	20031126	EP 2001-948241	20010524
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR			

PRIORITY APPLN. INFO.:

US 2000-206679P	P	20000524
US 2000-206688P	P	20000524
US 2000-206829P	P	20000524
US 2000-207748P	P	20000530
US 2000-207798P	P	20000530
US 2000-208263P	P	20000531
US 2000-208831P	P	20000602
US 2000-209451P	P	20000605
US 2000-210060P	P	20000607
US 2000-219507P	P	20000720
US 2000-221337P	P	20000726
US 2000-221927P	P	20000731
US 2001-263135P	P	20010119
US 2001-263688P	P	20010124
US 2001-263694P	P	20010124
US 2001-863776	A	20010523
US 2000-540763	A2	20000330
WO 2001-US17073	W	20010524

L29 ANSWER 77 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:265459 HCAPLUS

DOCUMENT NUMBER: 134:290751

TITLE: **Recombinant** single-chain receptor antagonist proteins and their use in treatment of inflammatory disorders

INVENTOR(S): Halkier, Torben; Schambye, Hans Thalsgard; Okkels, Jens Sigurd; Andersen, Kim Vilbourn; Nissen, Torben Lauesgaard; Soni, Bobby; Jeppesen, Claus Bekker; Van Den Hazel, Bart

PATENT ASSIGNEE(S): Maxygen Aps, Den.

SOURCE: PCT Int. Appl., 123 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001025277	A1	20010412	WO 2000-DK563	20001006
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,			

CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, VN, YU,
ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1226173 A1 20020731 EP 2000-965860 20001006
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL
US 2004014948 A1 20040122 US 2003-444691 20030523
PRIORITY APPLN. INFO.: DK 1999-1438 A 19991007
DK 1999-1855 A 19991223
DK 2000-1119 A 20000720
US 1999-160820P P 19991021
US 2000-174655P P 20000106
US 2000-225723P P 20000816
US 2000-684720 B1 20001006
WO 2000-DK563 W 20001006
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 78 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2001701463 MEDLINE
DOCUMENT NUMBER: 21601699 PubMed ID: 11598104
TITLE: 5'-AMP-activated protein kinase phosphorylates IRS-1 on
Ser-789 in mouse C2C12 myotubes in response to
5-aminoimidazole-4-carboxamide riboside.
AUTHOR: Jakobsen S N; Hardie D G; Morrice N; Tornqvist H E
CORPORATE SOURCE: Diabetes Biology, Novo Nordisk A/S, Novo Alle, 2880
Bagsvaerd, Denmark.. snyj@novonordisk.com
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Dec 14) 276 (50)
46912-6.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200201
ENTRY DATE: Entered STN: 20011224
Last Updated on STN: 20030105
Entered Medline: 20020124

L29 ANSWER 79 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2001350401 MEDLINE
DOCUMENT NUMBER: 21280796 PubMed ID: 11387207
TITLE: Ezrin is a downstream effector of trafficking PKC-integrin
complexes involved in the control of cell motility.
AUTHOR: Ng T; Parsons M; Hughes W E; Monypenny J; Zicha D; Gautreau
A; Arpin M; Gschmeissner S; Verveer P J; Bastiaens P I;
Parker P J
CORPORATE SOURCE: Richard Dumbleby Department of Cancer Research, St Thomas'
Hospital, Lambeth Palace Road, London SE1 7EH, UK..
T.Ng@icrf.icnet.uk
SOURCE: EMBO JOURNAL, (2001 Jun 1) 20 (11) 2723-41.
Journal code: 8208664. ISSN: 0261-4189.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200107
ENTRY DATE: Entered STN: 20010709
Last Updated on STN: 20021219

Entered Medline: 20010705

L29 ANSWER 80 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN

ACCESSION NUMBER: 2001207122 EMBASE
TITLE: Akt2-deficient mice show symptoms of type 2
diabetes.
AUTHOR: Frankish H.
SOURCE: Lancet, (2 Jun 2001) 357/9270 (1771).
ISSN: 0140-6736 CODEN: LANCAO
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Note
FILE SEGMENT: 003 Endocrinology
006 Internal Medicine
022 Human Genetics
LANGUAGE: English

L29 ANSWER 81 OF 132 MEDLINE on STN

ACCESSION NUMBER: 2001298782 MEDLINE
DOCUMENT NUMBER: 21275588 PubMed ID: 11381048
TITLE: TGF-beta receptor types I and II are differentially
expressed during corneal epithelial wound repair.
AUTHOR: Zieske J D; Hutcheon A E; Guo X; Chung E H; Joyce N C
CORPORATE SOURCE: Schepens Eye Research Institute and Department of
Ophthalmology, Harvard Medical School, Boston,
Massachusetts 02114-2500, USA..
zieske@vision.eri.harvard.edu
CONTRACT NUMBER: R01 EY05665 (NEI)
R01 EY05767 (NEI)
SOURCE: INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE, (2001 Jun)
42 (7) 1465-71.
Journal code: 7703701. ISSN: 0146-0404.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200106
ENTRY DATE: Entered STN: 20010702
Last Updated on STN: 20010702
Entered Medline: 20010628

L29 ANSWER 82 OF 132 MEDLINE on STN

ACCESSION NUMBER: 2001555832 MEDLINE
DOCUMENT NUMBER: 21488486 PubMed ID: 11602624
TITLE: Role of AMP-activated protein kinase in mechanism of
metformin action.
COMMENT: Comment in: J Clin Invest. 2001 Oct;108(8):1105-7
AUTHOR: Zhou G; Myers R; Li Y; Chen Y; Shen X; Fenyk-Melody J; Wu
M; Ventre J; Doebber T; Fujii N; Musi N; Hirshman M F;
Goodyear L J; Moller D E
CORPORATE SOURCE: Department of Molecular Endocrinology, Merck Research
Laboratories, Rahway, New Jersey 07065, USA..
gaochao_zhou@merck.com
SOURCE: JOURNAL OF CLINICAL INVESTIGATION, (2001 Oct) 108 (8)
1167-74.
Journal code: 7802877. ISSN: 0021-9738.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 200112
ENTRY DATE: Entered STN: 20011017
Last Updated on STN: 20020122
Entered Medline: 20011204

L29 ANSWER 83 OF 132 MEDLINE on STN DUPLICATE 11
 ACCESSION NUMBER: 2001198127 MEDLINE
 DOCUMENT NUMBER: 21135947 PubMed ID: 11238471
 TITLE: Clinical review 125: The insulin receptor and its cellular targets.
 AUTHOR: Kido Y; Nakae J; Accili D
 CORPORATE SOURCE: Department of Medicine, Columbia University College of Physicians and Surgeons, New York, New York 10032, USA.
 CONTRACT NUMBER: DK-57539 (NIDDK)
 DK-58282 (NIDDK)
 SOURCE: JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM, (2001 Mar) 86 (3) 972-9. Ref: 113
 Journal code: 0375362. ISSN: 0021-972X.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LANGUAGE: English
 FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
 ENTRY MONTH: 200104
 ENTRY DATE: Entered STN: 20010410
 Last Updated on STN: 20010410
 Entered Medline: 20010405

L29 ANSWER 84 OF 132 MEDLINE on STN
 ACCESSION NUMBER: 2001238663 MEDLINE
 DOCUMENT NUMBER: 21232209 PubMed ID: 11334434
 TITLE: AMP-activated protein kinase (AMPK) is activated in muscle of subjects with type 2 **diabetes** during exercise.
 AUTHOR: Musi N; Fujii N; Hirshman M F; Ekberg I; Froberg S; Ljungqvist O; Thorell A; Goodyear L J
 CORPORATE SOURCE: Joslin Diabetes Center and Department of Medicine, Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts, USA.
 CONTRACT NUMBER: AR42338 (NIAMS)
 AR45670 (NIAMS)
 SOURCE: DIABETES, (2001 May) 50 (5) 921-7.
 Journal code: 0372763. ISSN: 0012-1797.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
 ENTRY MONTH: 200105
 ENTRY DATE: Entered STN: 20010529
 Last Updated on STN: 20010529
 Entered Medline: 20010521

L29 ANSWER 85 OF 132 MEDLINE on STN DUPLICATE 12
 ACCESSION NUMBER: 2001462986 MEDLINE
 DOCUMENT NUMBER: 21399046 PubMed ID: 11508278
 TITLE: Isolation and characterization of the **human** AKT1 gene, identification of 13 single nucleotide polymorphisms (SNPs), and their lack of association with Type II **diabetes**.
 AUTHOR: Matsubara A; Wasson J C; Donelan S S; Welling C M; Glaser B; Permutt M A
 CORPORATE SOURCE: Division of Metabolism, Endocrinology and Diabetes, Washington University School of Medicine, St. Louis, Missouri 63110, USA.
 CONTRACT NUMBER: DK16746 (NIDDK)
 DK49583 (NIDDK)
 SOURCE: DIABETOLOGIA, (2001 Jul) 44 (7) 910-3.
 Journal code: 0006777. ISSN: 0012-186X.

PUB. COUNTRY: Germany: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200201
ENTRY DATE: Entered STN: 20010820
Last Updated on STN: 20020420
Entered Medline: 20020102

L29 ANSWER 86 OF 132 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2001:446882 BIOSIS
DOCUMENT NUMBER: PREV200100446882
TITLE: Impaired IRS-1 associated PI 3-kinase activity with
increased Akt and PKClambda/zeta activity in skeletal
muscle from gestational diabetic C57BL/KsJ-db/+ mice and
humans.
AUTHOR(S): Shao, Jianhua [Reprint author]; Qiao, Liping [Reprint
author]; Catalano, Patrick M. [Reprint author]; Draznin,
Boris [Reprint author]; Friedman, Jacob E. [Reprint author]
CORPORATE SOURCE: Denver, CO, USA
SOURCE: Diabetes, (June, 2001) Vol. 50, No. Supplement 2, pp. A295.
print.
Meeting Info.: 61st Scientific Sessions of the American
Diabetes Association. Philadelphia, Pennsylvania, USA. June
22-26, 2001. American Diabetes Association.
CODEN: DIAEAZ. ISSN: 0012-1797.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 19 Sep 2001
Last Updated on STN: 22 Feb 2002

L29 ANSWER 87 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2002714940 MEDLINE
DOCUMENT NUMBER: 22364867 PubMed ID: 12477287
TITLE: A new molecular target of insulin action: regulating the
pivotal PDK1.
AUTHOR: Wick K L; Liu F
CORPORATE SOURCE: Departments of Pharmacology, The University of Texas Health
Science Center, San Antonio, TX 78229, USA.
SOURCE: Curr Drug Targets Immune Endocr Metabol Disord, (2001 Nov)
1 (3) 209-21. Ref: 113
Journal code: 101121150. ISSN: 1568-0088.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200212
ENTRY DATE: Entered STN: 20021217
Last Updated on STN: 20021227
Entered Medline: 20021223

L29 ANSWER 88 OF 132 MEDLINE on STN DUPLICATE 13
ACCESSION NUMBER: 2001092969 MEDLINE
DOCUMENT NUMBER: 21023303 PubMed ID: 11147784
TITLE: IGF-I mRNA and signaling in the diabetic retina.
AUTHOR: Gerhardinger C; McClure K D; Romeo G; Podesta F; Lorenzi M
CORPORATE SOURCE: Schepens Eye Research Institute, Department of
Ophthalmology, Harvard Medical School, Boston,
Massachusetts 02114, USA.
CONTRACT NUMBER: EY09122 (NEI)

SOURCE: DIABETES, (2001 Jan) 50 (1) 175-83.
Journal code: 0372763. ISSN: 0012-1797.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 200101
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20010125

L29 ANSWER 89 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2003127105 MEDLINE
DOCUMENT NUMBER: 22527992 PubMed ID: 12640743
TITLE: **Expression** of TGF-beta receptors I and II in the
human dental pulp by in situ hybridization.
AUTHOR: Sloan A J; Couble M L; Bleicher F; Magloire H; Smith A J;
Farges J C
CORPORATE SOURCE: School of Dentistry, University of Birmingham, St Chads
Queensway, Birmingham, UK.. a.j.sloan@bham.ac.uk
SOURCE: ADVANCES IN DENTAL RESEARCH, (2001 Aug) 15 63-7.
Journal code: 8802131. ISSN: 0895-9374.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Dental Journals
ENTRY MONTH: 200304
ENTRY DATE: Entered STN: 20030319
Last Updated on STN: 20030406
Entered Medline: 20030404

L29 ANSWER 90 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:76489 HCAPLUS
DOCUMENT NUMBER: 134:264467
TITLE: Differential activation of migration by hypoxia in
keratinocytes isolated from donors of increasing age:
implication for chronic wounds in the elderly
AUTHOR(S): Xia, Yu-Ping; Zhao, Yanan; Tyrone, J. W.; Chen, Alex;
Mustoe, Thomas A.
CORPORATE SOURCE: Division of Plastic Surgery and Reconstructive
Surgery, Department of Surgery, School of Medicine,
North-western University, Chicago, IL, 60611-3042, USA
SOURCE: Journal of Investigative Dermatology (2001), 116(1),
50-56
CODEN: JIDEAE; ISSN: 0022-202X
PUBLISHER: Blackwell Science, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 91 OF 132 MEDLINE on STN DUPLICATE 14
ACCESSION NUMBER: 2001400448 MEDLINE
DOCUMENT NUMBER: 21344896 PubMed ID: 11451911
TITLE: Is Smad3 a major player in signal transduction pathways
leading to fibrogenesis?.
AUTHOR: Roberts A B; Piek E; Bottinger E P; Ashcroft G; Mitchell J
B; Flanders K C
CORPORATE SOURCE: Laboratory of Cell Regulation and Carcinogenesis, National
Cancer Institute, Bethesda, MD 20892-5055, USA..
Robertsa@dce41.nci.nih.gov
SOURCE: CHEST, (2001 Jul) 120 (1 Suppl) 43S-47S.
Journal code: 0231335. ISSN: 0012-3692.
PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 200108
ENTRY DATE: Entered STN: 20010813
Last Updated on STN: 20010813
Entered Medline: 20010809

L29 ANSWER 92 OF 132 LIFESCI COPYRIGHT 2004 CSA on STN
ACCESSION NUMBER: 2002:78612 LIFESCI
TITLE: Cell volume-regulated **human** kinase h-sgk
AUTHOR: Lang, F.; Waldegger, S.
SOURCE: (20011204) . US Patent: 6326181; US CLASS: 435/194;
424/94.5.
DOCUMENT TYPE: Patent
FILE SEGMENT: W3
LANGUAGE: English
SUMMARY LANGUAGE: English

L29 ANSWER 93 OF 132 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2001:266240 BIOSIS
DOCUMENT NUMBER: PREV200100266240
TITLE: **Human** protein kinase HOACF72.
AUTHOR(S): Creasy, Caretha L. [Inventor, Reprint author]; Livi, George
P. [Inventor]; Dunnington, Damien J. [Inventor]; Shabon,
Usman [Inventor]
CORPORATE SOURCE: Norristown, PA, USA
ASSIGNEE: SmithKline Beecham Corporation
PATENT INFORMATION: US 6159716 December 12, 2000
SOURCE: Official Gazette of the United States Patent and Trademark
Office Patents, (Dec. 12, 2000) Vol. 1241, No. 2. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 6 Jun 2001
Last Updated on STN: 19 Feb 2002

L29 ANSWER 94 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2000-11604 BIOTECHDS
TITLE: Serine-**threonine-kinase**
receptors-associated protein and the polynucleotide encoding
the receptor, useful for treating disease associated with
transforming growth factor-beta activity such as cancer;
vector-mediated gene transfer and **expression** in
host cell, monoclonal antibody and hybridoma
AUTHOR: Datta P K; Moses H L
PATENT ASSIGNEE: Univ.Vanderbilt
LOCATION: Nashville, TN, USA.
PATENT INFO: WO 2000034310 15 Jun 2000
APPLICATION INFO: WO 1999-US29267 10 Dec 1999
PRIORITY INFO: US 1998-111668 10 Dec 1998
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2000-442141 [38]

L29 ANSWER 95 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2001-04946 BIOTECHDS
TITLE: Novel vertebrate activin receptor having extracellular ligand
binding domain, transmembrane domain and intracellular
serine/**threonine-kinase** domain is useful
for diagnosing and treating e.g. carcinogenesis,
wound healing;
human recombinant activin receptor
protein gene useful in gene therapy

AUTHOR: Mathews L W; Vale Jr W W; Tsuchida K
 PATENT ASSIGNEE: Salk-Inst.Biol.Stud.
 LOCATION: La Jolla, CA, USA.
 PATENT INFO: US 6162896 19 Dec 2000
 APPLICATION INFO: US 1995-476123 7 Jun 1995
 PRIORITY INFO: US 1995-476123 7 Jun 1995
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 OTHER SOURCE: WPI: 2001-090408 [10]

L29 ANSWER 96 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STM

ACCESSION NUMBER: 2000:756527 HCAPLUS
 DOCUMENT NUMBER: 133:325643
 TITLE: Antifibrotic formulations containing inhibitors of
 cell-volume-regulated human kinase h-sgk
 INVENTOR(S): Lang, Florian; Waldegger, Siegfried; Wagner, Carsten;
 Broer, Stefan; Klingel, Karin
 PATENT ASSIGNEE(S): Germany
 SOURCE: PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000062781	A1	20001026	WO 2000-EP3578	20000419
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19917990	A1	20001102	DE 1999-19917990	19990420
BR 2000009914	A	20020108	BR 2000-9914	20000419
EP 1171131	A1	20020116	EP 2000-922655	20000419
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002542196	T2	20021210	JP 2000-611917	20000419
NO 2001005054	A	20011214	NO 2001-5054	20011017
ZA 2001008610	A	20020102	ZA 2001-8610	20011019
PRIORITY APPLN. INFO.:			DE 1999-19917990 A	19990420
			WO 2000-EP3578 W	20000419
REFERENCE COUNT:	17	THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L29 ANSWER 97 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STM

ACCESSION NUMBER: 2000:688368 HCAPLUS
 DOCUMENT NUMBER: 133:264603
 TITLE: Factors affecting the function of p66shc in response
 to oxidative stress
 INVENTOR(S): Pelicci, Pier Giuseppe; Giorgio, Marco; Migliaccio,
 Enrica; Lanfranccone, Luisa
 PATENT ASSIGNEE(S): Cancer Research Ventures Limited, UK
 SOURCE: PCT Int. Appl., 74 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000056886	A1	20000928	WO 2000-GB1079	20000322
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1163335	A1	20011219	EP 2000-911131	20000322
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRIORITY APPLN. INFO.:			GB 1999-6515	A 19990322
			WO 2000-GB1079	W 20000322
REFERENCE COUNT: 7			THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT	

L29 ANSWER 98 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:457190 HCAPLUS
 DOCUMENT NUMBER: 133:85122
 TITLE: **Expression** vectors comprising multiple shear stress responsive elements (SSRE) and a gene of interest and modulating vasculogenesis and/or angiogenesis
 INVENTOR(S): Resnick, Nitzan
 PATENT ASSIGNEE(S): Florence Medical Ltd., Israel
 SOURCE: PCT Int. Appl., 61 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000039275	A2	20000706	WO 1999-IL702	19991223
WO 2000039275	A3	20001026		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6440726	B1	20020827	US 1998-220510	19981224
AU 2000017954	A5	20000731	AU 2000-17954	19991223
EP 1141266	A2	20011010	EP 1999-961261	19991223
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002533113	T2	20021008	JP 2000-591168	19991223
PRIORITY APPLN. INFO.:			US 1998-113863P	P 19981224
			US 1998-220510	A 19981224
			US 1998-220510P	P 19981224
			WO 1999-IL702	W 19991223

L29 ANSWER 99 OF 132 MEDLINE on STN DUPLICATE 15
 ACCESSION NUMBER: 2001161245 MEDLINE
 DOCUMENT NUMBER: 21158039 PubMed ID: 11261590

TITLE: Activin receptors are **expressed** on human lung fibroblast and activin A facilitates fibroblast-mediated collagen gel contraction.
AUTHOR: Ohga E; Matsuse T; Teramoto S; Ouchi Y
CORPORATE SOURCE: Department of Geriatric Medicine, University of Tokyo, Japan.
SOURCE: LIFE SCIENCES, (2000 Mar) 66 (17) 1603-13.
Journal code: 0375521. ISSN: 0024-3205.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200104
ENTRY DATE: Entered STN: 20010410
Last Updated on STN: 20010410
Entered Medline: 20010405

L29 ANSWER 100 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

ACCESSION NUMBER: 2000330321 EMBASE
TITLE: Impaired phosphorylation and insulin-stimulated translocation to the plasma membrane of protein kinase B/Akt in adipocytes from type II diabetic subjects.
AUTHOR: Carvalho E.; Eliasson B.; Wesslau C.; Smith U.
CORPORATE SOURCE: Dr. U. Smith, The Lundberg Lab. for Diabetes Res., Department of Internal Medicine, Sahlgrenska University Hospital, S-413 45 Goteborg, Sweden
SOURCE: Diabetologia, (2000) 43/9 (1107-1115).
Refs: 40
ISSN: 0012-186X CODEN: DBTGJ
COUNTRY: Germany
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
029 Clinical Biochemistry
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L29 ANSWER 101 OF 132 LIFESCI COPYRIGHT 2004 CSA on STN

ACCESSION NUMBER: 2001:18172 LIFESCI
TITLE: Selective small molecule inhibitors of glycogen synthase kinase-3 modulate glycogen metabolism and gene transcription
AUTHOR: Coghlan, M.P.; Culbert, A.A.; Cross, D.A.E.; Corcoran, S.L.; Yates, J.W.; Pearce, N.J.; Rausch, O.L.; Murphy, G.J.; Carter, P.S.; Cox, L.R.; Mills, D.; Brown, M.J.; Haigh, D.; Ward, R.W.; et al.,
CORPORATE SOURCE: Department of Vascular Biology, SmithKline Beecham Pharmaceuticals, Harlow, Essex CM19 5AD, UK; E-mail: matthew_coghlan-1@sbphrd.com
SOURCE: Chemistry & Biology [Chem. Biol.], (20001000) vol. 7, no. 10, pp. 793-803.
ISSN: 1074-5521.
DOCUMENT TYPE: Journal
FILE SEGMENT: N
LANGUAGE: English
SUMMARY LANGUAGE: English

L29 ANSWER 102 OF 132 MEDLINE on STN

ACCESSION NUMBER: 2000177962 MEDLINE
DOCUMENT NUMBER: 20177962 PubMed ID: 10712384
TITLE: Regulation of cdk2 activity in endothelial cells that are inhibited from growth by cell contact.

AUTHOR: Chen D; Walsh K; Wang J
CORPORATE SOURCE: Division of Cardiovascular Research, St. Elizabeth's Medical Center, Tufts University School of Medicine, Boston, MA, USA.
CONTRACT NUMBER: AG 15052 (NIA)
AR 40197 (NIAMS)
HL 50692 (NHLBI)
SOURCE: ARTERIOSCLEROSIS, THROMBOSIS, AND VASCULAR BIOLOGY, (2000 Mar) 20 (3) 629-35.
Journal code: 9505803. ISSN: 1079-5642.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200005
ENTRY DATE: Entered STN: 20000525
Last Updated on STN: 20000525
Entered Medline: 20000518

L29 ANSWER 103 OF 132 MEDLINE on STN
ACCESSION NUMBER: 2000108842 MEDLINE
DOCUMENT NUMBER: 20108842 PubMed ID: 10640419
TITLE: Regulation of LPA-promoted myofibroblast contraction: role of Rho, myosin light chain kinase, and myosin light chain phosphatase.
AUTHOR: Parizi M; Howard E W; Tomasek J J
CORPORATE SOURCE: Department of Cell Biology, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma 73104, USA.
SOURCE: EXPERIMENTAL CELL RESEARCH, (2000 Feb 1) 254 (2) 210-20.
Journal code: 0373226. ISSN: 0014-4827.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200004
ENTRY DATE: Entered STN: 20000413
Last Updated on STN: 20020420
Entered Medline: 20000405

L29 ANSWER 104 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 1999-07430 BIOTECHDS
TITLE: New **human** signal-transduction kinase polypeptide and polynucleotide, useful as diagnostic reagents and for prevention and treatment of e.g. autoimmune disorders; e.g. asthma, Alzheimer diseases, cancer, **diabetes** and transplant rejection; **expression** in host cell, antibody and antisense molecule
AUTHOR: Moore W C; Norris T E; Silberstein D S
PATENT ASSIGNEE: Zeneca
LOCATION: London, UK.
PATENT INFO: WO 9915635 1 Apr 1999
APPLICATION INFO: WO 1998-GB2825 17 Sep 1998
PRIORITY INFO: GB 1997-19920 19 Sep 1997
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 1999-244415 [20]

L29 ANSWER 105 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 1999-07359 BIOTECHDS
TITLE: Isolated nucleic acid molecules encoding vertebrate activin receptor polypeptides;
plasmid pcDNA1-mediated **expression** in COS cell, DNA probe and antibody, used for carcinogenesis, **wound healing**, immune or central nervous

system disorder therapy and fertility control
AUTHOR: Mathews L S; Vale W W
PATENT ASSIGNEE: Salk-Inst.Biol.Stud.
LOCATION: La Jolla, CA, USA.
PATENT INFO: US 5885794 23 Mar 1999
APPLICATION INFO: US 1994-300584 2 Sep 1994
PRIORITY INFO: US 1994-300584 2 Sep 1994
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 1999-228534 [19]

L29 ANSWER 106 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:393031 HCAPLUS
DOCUMENT NUMBER: 131:40587
TITLE: **Cloning and expression of CSAID**
binding protein CSBP.beta. cDNA and its potential use
in drug screening and genetic diagnosis
INVENTOR(S): McDonnell, Peter Colon; Young, Peter Ronald
PATENT ASSIGNEE(S): SmithKline Beecham Corporation, USA
SOURCE: Eur. Pat. Appl., 27 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 922762	A1	19990616	EP 1997-309793	19971204
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 11196873	A2	19990727	JP 1997-369757	19971209
PRIORITY APPLN. INFO.:			EP 1997-309793	A 19971204
REFERENCE COUNT:	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L29 ANSWER 107 OF 132 MEDLINE on STN DUPLICATE 16
ACCESSION NUMBER: 2000055603 MEDLINE
DOCUMENT NUMBER: 20055603 PubMed ID: 10589686
TITLE: **Sgk, a putative serine/threonine kinase**
, is differentially **expressed** in the kidney of
diabetic mice and **humans**.
AUTHOR: Kumar J M; Brooks D P; Olson B A; Laping N J
CORPORATE SOURCE: Department of Renal Pharmacology, SmithKline Beecham
Pharmaceuticals, Pennsylvania, USA.
SOURCE: JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY, (1999 Dec)
10 (12) 2488-94.
Journal code: 9013836. ISSN: 1046-6673.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200001
ENTRY DATE: Entered STN: 20000124
Last Updated on STN: 20020420
Entered Medline: 20000107

L29 ANSWER 108 OF 132 MEDLINE on STN
ACCESSION NUMBER: 1999366735 MEDLINE
DOCUMENT NUMBER: 99366735 PubMed ID: 10440123
TITLE: **Impaired glucose transport and protein kinase B activation**
by insulin, but not okadaic acid, in adipocytes from
subjects with Type II **diabetes** mellitus.
AUTHOR: Rondinone C M; Carvalho E; Wesslau C; Smith U P

CORPORATE SOURCE: Department of Internal Medicine, Sahlgrenska University
Hospital, Gothenburg, Sweden.
SOURCE: DIABETOLOGIA, (1999 Jul) 42 (7) 819-25.
Journal code: 0006777. ISSN: 0012-186X.
PUB. COUNTRY: GERMANY: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199910
ENTRY DATE: Entered STN: 19991101
Last Updated on STN: 20020420
Entered Medline: 19991020

L29 ANSWER 109 OF 132 MEDLINE on STN
ACCESSION NUMBER: 1999223155 MEDLINE
DOCUMENT NUMBER: 99223155 PubMed ID: 10208456
TITLE: **Expression** of transforming growth factor beta1
and its receptors in normal **human** urothelium and
human transitional cell carcinomas.
AUTHOR: Izadifar V; de Boer W I; Muscatelli-Groux B; Maille P; van
der Kwast T H; Chopin D K
CORPORATE SOURCE: UPRES-A CNRS 7054, Service d'Urologie, Universite Paris
XII, Creteil, France.
SOURCE: HUMAN PATHOLOGY, (1999 Apr) 30 (4) 372-7.
Journal code: 9421547. ISSN: 0046-8177.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199904
ENTRY DATE: Entered STN: 19990511
Last Updated on STN: 19990511
Entered Medline: 19990427

L29 ANSWER 110 OF 132 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1999:509261 BIOSIS
DOCUMENT NUMBER: PREV199900509261
TITLE: A transcript map of the chromosome 20 Type 2 susceptibility
locus.
AUTHOR(S): Fossey, S. C. [Reprint author]; Price, J. A.; Pendleton, J.
K.; Snyder, J. R.; Brewer, C. S.; Freedman, B. I.; Rich, S.
S.; Bowden, D. W.
CORPORATE SOURCE: Dept Molecular Genetics, Wake Forest Univ Medical Ctr,
Winston-Salem, NC, USA
SOURCE: American Journal of Human Genetics, (Oct., 1999) Vol. 65,
No. 4, pp. A249. print.
Meeting Info.: 49th Annual Meeting of the American Society
of Human Genetics. San Francisco, California, USA. October
19-23, 1999. The American Society of Human Genetics.
CODEN: AJHGAG. ISSN: 0002-9297.
DOCUMENT TYPE: Conference; (Meeting)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 3 Dec 1999
Last Updated on STN: 3 Dec 1999

L29 ANSWER 111 OF 132 MEDLINE on STN
ACCESSION NUMBER: 1998438454 MEDLINE
DOCUMENT NUMBER: 98438454 PubMed ID: 9765209
TITLE: Synergistic cooperation of TFE3 and smad proteins in
TGF-beta-induced transcription of the plasminogen activator
inhibitor-1 gene.
AUTHOR: Hua X; Liu X; Ansari D O; Lodish H F
CORPORATE SOURCE: The Whitehead Institute for Biomedical Research, Cambridge,

Massachusetts 02142, USA.
CONTRACT NUMBER: CA63260 (NCI)
SOURCE: GENES AND DEVELOPMENT, (1998 Oct 1) 12 (19) 3084-95.
Journal code: 8711660. ISSN: 0890-9369.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199811
ENTRY DATE: Entered STN: 19990106
Last Updated on STN: 20021210
Entered Medline: 19981116

L29 ANSWER 112 OF 132 MEDLINE on STN DUPLICATE 17
ACCESSION NUMBER: 1998366889 MEDLINE
DOCUMENT NUMBER: 98366889 PubMed ID: 9703329
TITLE: Insulin-stimulated Akt kinase activity is reduced in
skeletal muscle from NIDDM subjects.
AUTHOR: Krook A; Roth R A; Jiang X J; Zierath J R;
Wallberg-Henriksson H
CORPORATE SOURCE: Department of Clinical Physiology, Karolinska Hospital,
Stockholm, Sweden.. ankr@klinfys.ks.se
CONTRACT NUMBER: DK 34926 (NIDDK)
SOURCE: DIABETES, (1998 Aug) 47 (8) 1281-6.
Journal code: 0372763. ISSN: 0012-1797.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199809
ENTRY DATE: Entered STN: 19980917
Last Updated on STN: 19980917
Entered Medline: 19980909

L29 ANSWER 113 OF 132 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1999:63775 BIOSIS
DOCUMENT NUMBER: PREV199900063775
TITLE: The C. elegans PTEN homolog, DAF-18, acts in the insulin
receptor-like metabolic signaling pathway.
AUTHOR(S): Ogg, Scott; Ruvkun, Gary [Reprint author]
CORPORATE SOURCE: Dep. Genet., Harv. Med. Sch., 50 Blossom Street, Boston, MA
02115, USA
SOURCE: Molecular Cell, (Dec., 1998) Vol. 2, No. 6, pp. 887-893.
print.
ISSN: 1097-2765.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 16 Feb 1999
Last Updated on STN: 16 Feb 1999

L29 ANSWER 114 OF 132 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
RESERVED. on STN
ACCESSION NUMBER: 1998171888 EMBASE
TITLE: New perspectives on PKC.theta., a member of the novel
subfamily of protein kinase C.
AUTHOR: Meller N.; Altman A.; Isakov N.
CORPORATE SOURCE: Dr. N. Isakov, Dept. of Microbiology and Immunology,
Faculty of Health Sciences, Ben Gurion University of the
Negev, P.O. Box 653, Beer Sheva 84105, Israel
SOURCE: Stem Cells, (1998) 16/3 (178-192).
Refs: 167
ISSN: 1066-5099 CODEN: STCEEJ
COUNTRY: United States
DOCUMENT TYPE: Journal; General Review

FILE SEGMENT: 025 Hematology
026 Immunology, Serology and Transplantation
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L29 ANSWER 115 OF 132 MEDLINE on STN
ACCESSION NUMBER: 1998197285 MEDLINE
DOCUMENT NUMBER: 98197285 PubMed ID: 9536223
TITLE: Down-regulation of transforming growth factor-beta
receptors I and II is seen in lesional but not non-lesional
psoriatic epidermis.
AUTHOR: Leivo T; Leivo I; Kariniemi A L; Keski-Oja J; Virtanen I
CORPORATE SOURCE: Department of Dermatology, Helsinki University Central
Hospital, Finland.
SOURCE: BRITISH JOURNAL OF DERMATOLOGY, (1998 Jan) 138 (1) 57-62.
Journal code: 0004041. ISSN: 0007-0963.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199804
ENTRY DATE: Entered STN: 19980430
Last Updated on STN: 19980430
Entered Medline: 19980423

L29 ANSWER 116 OF 132 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 1997-05359 BIOTECHDS
TITLE: DNA encoding Gab1, that binds to Grb2;
and vector **expression** in host cell for drug
screening, antisense oligonucleotide and antibody for
cancer and **diabetes** therapy; Gab1 inhibitor,
activator, substrate identification
AUTHOR: Wong A J; Holgado-Madruga M
PATENT ASSIGNEE: Univ.Philadelphia-Thomas-Jefferson
LOCATION: Philadelphia, PA, USA.
PATENT INFO: WO 9707827 6 Mar 1997
APPLICATION INFO: WO 1996-US13842 22 Aug 1996
PRIORITY INFO: US 1995-2641 22 Aug 1995
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 1997-178930 [16]

L29 ANSWER 117 OF 132 MEDLINE on STN DUPLICATE 18
ACCESSION NUMBER: 1998073041 MEDLINE
DOCUMENT NUMBER: 98073041 PubMed ID: 9408743
TITLE: Insulin resistance and the polycystic ovary syndrome:
mechanism and implications for pathogenesis.
AUTHOR: Dunaif A
CORPORATE SOURCE: Pennsylvania State University College of Medicine, Hershey
17033, USA.
CONTRACT NUMBER: MO1 RR-10732 (NCRR)
RO1 DK-40605 (NIDDK)
SOURCE: ENDOCRINE REVIEWS, (1997 Dec) 18 (6) 774-800. Ref: 277
Journal code: 8006258. ISSN: 0163-769X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199802
ENTRY DATE: Entered STN: 19980217
Last Updated on STN: 19980217

Entered Medline: 19980202

L29 ANSWER 118 OF 132 MEDLINE on STN
ACCESSION NUMBER: 1998001089 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9341881
TITLE: The germinal center kinase gene and a novel CDC25-like gene
are located in the vicinity of the PYGM gene on 11q13.
AUTHOR: Kedra D; Seroussi E; Fransson I; Trifunovic J; Clark M;
Lagercrantz J; Blennow E; Mehlin H; Dumanski J
CORPORATE SOURCE: Department of Molecular Medicine, Karolinska Hospital,
Stockholm, Sweden.
SOURCE: Human genetics, (1997 Oct) 100 (5-6) 611-9.
Journal code: 7613873. ISSN: 0340-6717.
PUB. COUNTRY: GERMANY: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-Y12334; GENBANK-Y12335; GENBANK-Y12336;
GENBANK-Y12337; GENBANK-Y12338; GENBANK-Y12339
ENTRY MONTH: 199711
ENTRY DATE: Entered STN: 19971224
Last Updated on STN: 20020420
Entered Medline: 19971119

L29 ANSWER 119 OF 132 MEDLINE on STN
ACCESSION NUMBER: 97134736 MEDLINE
DOCUMENT NUMBER: 97134736 PubMed ID: 8980296
TITLE: Activation of ribosomal protein S6 kinase in psoriatic
lesions and cultured human keratinocytes by
epidermal growth factor receptor ligands.
AUTHOR: Choi J H; O'Connor T P; Kang S; Voorhees J J; Fisher G J
CORPORATE SOURCE: Department of Dermatology, University of Michigan Medical
School, Ann Arbor 48109-0528, USA.
SOURCE: JOURNAL OF INVESTIGATIVE DERMATOLOGY, (1997 Jan) 108 (1)
98-102.
Journal code: 0426720. ISSN: 0022-202X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199701
ENTRY DATE: Entered STN: 19970219
Last Updated on STN: 20000303
Entered Medline: 19970121

L29 ANSWER 120 OF 132 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
ACCESSION NUMBER: 96:839101 SCISEARCH
THE GENUINE ARTICLE: VT081
TITLE: PURIFICATION AND CHARACTERIZATION OF AN INSULIN-STIMULATED
INSULIN-RECEPTOR **SERINE KINASE**
AUTHOR: CARTER W G; SULLIVAN A C; ASAMOAH K A; SALE G J (Reprint)
CORPORATE SOURCE: UNIV SOUTHAMPTON, SCH BIOL SCI, DEPT BIOCHEM, BASSETT
CRESCENT E, SOUTHAMPTON S016 7PX, HANTS, ENGLAND
(Reprint); UNIV SOUTHAMPTON, SCH BIOL SCI, DEPT BIOCHEM,
SOUTHAMPTON S016 7PX, HANTS, ENGLAND
COUNTRY OF AUTHOR: ENGLAND
SOURCE: BIOCHEMISTRY, (12 NOV 1996) Vol. 35, No. 45, pp.
14340-14351.
ISSN: 0006-2960.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 45
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L29 ANSWER 121 OF 132 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 19

ACCESSION NUMBER: 1996:370561 BIOSIS
DOCUMENT NUMBER: PREV199699092917
TITLE: (S)-13-((Dimethylamino)methyl)-10,11,14,15-tetrahydro-4,9:16,21-dimetheno-1H,13H-dibenzo(e,k)pyrrolo(3,4-h)(1,4,13)oxadiazacyclohexadecene-1,3(2H)-dione (LY333531) and related analogues: Isozyme selective inhibitors of protein kinase C-beta.
AUTHOR(S): Jirousek, Michael R. [Reprint author]; Gillig, James R.; Gonzalez, Cecile M.; Heath, William F.; McDonald, John H. II; Neel, David A.; Rito, Christopher J.; Singh, Upinder; Stramm, Lawrence E.; Melikian-Badalian, Anita; Baevsky, Matthew; Ballas, Lawrence M.; Hall, Steven E.; Winneroski, Leonard L.; Faul, Margaret M.
CORPORATE SOURCE: Lilly Res. Lab., Eli Lilly and Co., Indianapolis, IN 46285, USA
SOURCE: Journal of Medicinal Chemistry, (1996) Vol. 39, No. 14, pp. 2664-2671.
CODEN: JMCMAR. ISSN: 0022-2623.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 14 Aug 1996
Last Updated on STN: 26 Sep 1996

L29 ANSWER 122 OF 132 MEDLINE on STN
ACCESSION NUMBER: 97112498 MEDLINE
DOCUMENT NUMBER: 97112498 PubMed ID: 8954178
TITLE: Transforming growth factor-beta: a general review.
AUTHOR: Lawrence D A
CORPORATE SOURCE: Growth Factors Group, UMR 146 du CNRS, Institut Curie, Orsay, France.
SOURCE: EUROPEAN CYTOKINE NETWORK, (1996 Sep) 7 (3) 363-74. Ref: 121
Journal code: 9100879. ISSN: 1148-5493.
PUB. COUNTRY: France
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199702
ENTRY DATE: Entered STN: 19970219
Last Updated on STN: 19970219
Entered Medline: 19970205

L29 ANSWER 123 OF 132 LIFESCI COPYRIGHT 2004 CSA on STN
ACCESSION NUMBER: 96:105084 LIFESCI
TITLE: The TGF beta type II receptor, Tgfbr2, maps to distal mouse chromosome 9
AUTHOR: Bonyadi, M.; Cui, W.; Nagase, H.; Akhurst, R.J.*
CORPORATE SOURCE: Dep. Med. Genet., Duncan Guthrie Inst., Yorkhill, Glasgow G3 8SJ, UK
SOURCE: GENOMICS, (1996) vol. 33, no. 2, pp. 328-329.
ISSN: 0888-7543.
DOCUMENT TYPE: Journal
FILE SEGMENT: G
LANGUAGE: English

L29 ANSWER 124 OF 132 MEDLINE on STN DUPLICATE 20
ACCESSION NUMBER: 96179732 MEDLINE
DOCUMENT NUMBER: 96179732 PubMed ID: 8601720
TITLE: Transforming growth factor-beta receptor binding and

function are decreased in psoriatic dermal endothelium.
 AUTHOR: Cai J P; Falanga V; Taylor J R; Chin Y H
 CORPORATE SOURCE: Department of Microbiology and Immunology, University of
 Miami School of Medicine, FL 33101, USA.
 CONTRACT NUMBER: AI26761 (NIAID)
 AR39658 (NIAMS)
 AR42936 (NIAMS)
 SOURCE: JOURNAL OF INVESTIGATIVE DERMATOLOGY, (1996 Feb) 106 (2)
 225-31.
 Journal code: 0426720. ISSN: 0022-202X.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199605
 ENTRY DATE: Entered STN: 19960517
 Last Updated on STN: 19970203
 Entered Medline: 19960503

L29 ANSWER 125 OF 132 MEDLINE on STN DUPLICATE 21
 ACCESSION NUMBER: 95181481 MEDLINE
 DOCUMENT NUMBER: 95181481 PubMed ID: 7876254
 TITLE: Characterization of Rad, a new member of Ras/GTPase
 superfamily, and its regulation by a unique
 GTPase-activating protein (GAP)-like activity.
 AUTHOR: Zhu J; Reynet C; Caldwell J S; Kahn C R
 CORPORATE SOURCE: Research Division, Joslin Diabetes Center, Boston,
 Massachusetts 02215.
 CONTRACT NUMBER: DK 36836 (NIDDK)
 DK 45935 (NIDDK)
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Mar 3) 270 (9)
 4805-12.
 Journal code: 2985121R. ISSN: 0021-9258.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199504
 ENTRY DATE: Entered STN: 19950419
 Last Updated on STN: 20000303
 Entered Medline: 19950405

L29 ANSWER 126 OF 132 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 ACCESSION NUMBER: 1995:414647 BIOSIS
 DOCUMENT NUMBER: PREV199598428947
 TITLE: Protein tyrosine kinase inhibitors: Pharmacological
 prospects.
 AUTHOR(S): Jacquemin-Sablon, A.; Agbotounou, W. K.; Pierre, Josiane
 CORPORATE SOURCE: UA 147 CNRS, Inst. Gustave-Roussy, 39 Rue
 Camille-Desmoulins, 94805 Villejuif, France
 SOURCE: Pathologie Biologie, (1995) Vol. 43, No. 5, pp. 389-394.
 CODEN: PABIAQ. ISSN: 0369-8114.
 DOCUMENT TYPE: Article
 Editorial
 General Review; (Literature Review)
 LANGUAGE: French
 ENTRY DATE: Entered STN: 27 Sep 1995
 Last Updated on STN: 1 Nov 1995

L29 ANSWER 127 OF 132 MEDLINE on STN
 ACCESSION NUMBER: 95113220 MEDLINE
 DOCUMENT NUMBER: 95113220 PubMed ID: 7813820
 TITLE: Cloning of a human insulin-stimulated
 protein kinase (ISPK-1) gene and analysis of coding regions

and mRNA levels of the ISPK-1 and the protein phosphatase-1 genes in muscle from NIDDM patients.

AUTHOR: Bjorbaek C; Vik T A; Echwald S M; Yang P Y; Vestergaard H; Wang J P; Webb G C; Richmond K; Hansen T; Erikson R L; +

CORPORATE SOURCE: Steno Diabetes Center, Copenhagen, Denmark.

CONTRACT NUMBER: CA-42580 (NCI)
HD-00874 (NICHD)

SOURCE: DIABETES, (1995 Jan) 44 (1) 90-7.
Journal code: 0372763. ISSN: 0012-1797.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals

OTHER SOURCE: GENBANK-U08316

ENTRY MONTH: 199502

ENTRY DATE: Entered STN: 19950217
Last Updated on STN: 19980206
Entered Medline: 19950207

L29 ANSWER 128 OF 132 MEDLINE on STN DUPLICATE 22

ACCESSION NUMBER: 94374904 MEDLINE

DOCUMENT NUMBER: 94374904 PubMed ID: 8088704

TITLE: Biochemical mechanisms of insulin resistance.

AUTHOR: Roth R A; Liu F; Chin J E

CORPORATE SOURCE: Department of Molecular Pharmacology, Stanford University
School of Medicine, CA 94305.

CONTRACT NUMBER: DK 34926 (NIDDK)
DK 41765 (NIDDK)

SOURCE: HORMONE RESEARCH, (1994) 41 Suppl 2 51-5. Ref: 21
Journal code: 0366126. ISSN: 0301-0163.

PUB. COUNTRY: Switzerland

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199410

ENTRY DATE: Entered STN: 19941031
Last Updated on STN: 20000303
Entered Medline: 19941019

L29 ANSWER 129 OF 132 MEDLINE on STN

ACCESSION NUMBER: 92350287 MEDLINE

DOCUMENT NUMBER: 92350287 PubMed ID: 1641027

TITLE: An unusual feature revealed by the crystal structure at 2.2 A resolution of **human** transforming growth factor-beta 2.

AUTHOR: Schlunegger M P; Grutter M G

CORPORATE SOURCE: Department of Biotechnology, Pharmaceuticals Division,
Ciba-Geigy, Basel, Switzerland.

SOURCE: NATURE, (1992 Jul 30) 358 (6385) 430-4.
Journal code: 0410462. ISSN: 0028-0836.

PUB. COUNTRY: ENGLAND: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199209

ENTRY DATE: Entered STN: 19920911
Last Updated on STN: 19920911
Entered Medline: 19920901

L29 ANSWER 130 OF 132 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

ACCESSION NUMBER: 91:111091 SCISEARCH

THE GENUINE ARTICLE: EY617

TITLE: INTERLEUKIN 1-BETA INDUCES RAPID PHOSPHORYLATION AND REDISTRIBUTION OF TALIN - A POSSIBLE MECHANISM FOR MODULATION OF FIBROBLAST FOCAL ADHESION

AUTHOR: QWARNSTROM E E (Reprint); MACFARLANE S A; PAGE R C; DOWER S K

CORPORATE SOURCE: UNIV WASHINGTON, DEPT PATHOL, SEATTLE, WA, 98195 (Reprint); IMMUNEX CORP, SEATTLE, WA, 98101

COUNTRY OF AUTHOR: USA

SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1991) Vol. 88, No. 4, pp. 1232-1236.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE

LANGUAGE: ENGLISH

REFERENCE COUNT: 43

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L29 ANSWER 131 OF 132 MEDLINE on STN DUPLICATE 23

ACCESSION NUMBER: 91285276 MEDLINE

DOCUMENT NUMBER: 91285276 PubMed ID: 1647997

TITLE: Abnormal regulation of protein tyrosine phosphatase activities in skeletal muscle of insulin-resistant humans.

AUTHOR: McGuire M C; Fields R M; Nyomba B L; Raz I; Bogardus C; Tonks N K; Sommercorn J

CORPORATE SOURCE: Clinical Diabetes and Nutrition Section, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Phoenix, Arizona 85016.

SOURCE: DIABETES, (1991 Jul) 40 (7) 939-42. Journal code: 0372763. ISSN: 0012-1797.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals

ENTRY MONTH: 199108

ENTRY DATE: Entered STN: 19910825 Last Updated on STN: 19970203 Entered Medline: 19910802

L29 ANSWER 132 OF 132 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1991:99839 HCAPLUS

DOCUMENT NUMBER: 114:99839

TITLE: Methods and compositions for autoantibody determination for the early detection and treatment of insulin-dependent diabetes mellitus

INVENTOR(S): Atkinson, Mark A.; Maclaren, Noel K.; Kastern, William

PATENT ASSIGNEE(S): University of Florida, USA

SOURCE: PCT Int. Appl., 49 pp. CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9007117	A1	19900628	WO 1989-US5570	19891208
W: AU, DK, FI, HU, JP, KR, NO, SU				
RW: AT, BE, CH, DE, ES, FR, GB, IT, LU, NL, SE				
AU 9048158	A1	19900710	AU 1990-48158	19891208
EP 448635	A1	19911002	EP 1990-901345	19891208
EP 448635	B1	19950920		
R: CH, DE, ES, FR, GB, IT, LI				
ES 2077670	T3	19951201	ES 1990-901345	19891208

CA 2005300	AA	19900613	CA 1989-2005300	19891212
CA 2005300	C	20000215		
DK 9101123	A	19910612	DK 1991-1123	19910612
US 5645998	A	19970708	US 1994-242689	19940513
US 6300089	B1	20011009	US 1995-468583	19950606
JP 09227408	A2	19970902	JP 1996-297038	19961021
JP 2928176	B2	19990803		

PRIORITY APPLN. INFO.:

US 1988-283633	A	19881213
US 1989-427051	A	19891025
WO 1989-US5570	A	19891208
US 1990-569324	B2	19900817
JP 1991-515651	A3	19910816
US 1991-746443	B1	19910816
US 1994-242689	A3	19940513

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(FILE 'HOME' ENTERED AT 13:16:17 ON 29 JAN 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 13:16:43 ON 29 JAN 2004

L1	1160494 S KINASE?
L2	392110 S SERINE OR THREONINE
L3	90883 S L1 AND L2
L4	6344484 S CLON? OR EXPRESS? OR RECOMBINANT
L5	46190 S L3 AND L4
L6	0 S "H2520-59"
L7	2363927 S HYPERPROLIFEATIVE OR IMMUNE OR ANGIOGENESIS OR VASCULOGENESIS
L8	933636 S WOUND(A)HEALING OR DIABETES OR PSORIASIS OR INFLAMMATION
L9	2123 S L5 AND L7
L10	661 S L5 AND L8
L11	2714 S L9 OR L10
L12	3820 S L5 AND CANCER
L13	6212 S L11 OR L12
L14	4513 S HUMAN AND L13
L15	9 S "H2520"
L16	4 DUP REM L15 (5 DUPLICATES REMOVED) E BOYLAN J/AU
L17	73 S E3
L18	154 S BOWERS A/AU
L19	227 S L17 OR L18
L20	0 S L14 AND L19
L21	4513 S HUMAN (A)L13
L22	19 S L19 AND L1
L23	8 DUP REM L22 (11 DUPLICATES REMOVED)
L24	38200 S L1(A)L2
L25	22140 S L4 AND L24
L26	1107 S L7 AND L25
L27	300 S L8 AND L25
L28	174 S HUMAN AND L27
L29	132 DUP REM L28 (42 DUPLICATES REMOVED)

	Issue Date	Pages	Document ID	Title
1	20030821	16	US 20030157071 A1	Treatment or replacement therapy using transgenic stem cells delivered to the gut
2	20030424	13	US 20030078313 A1	Aminobenzophenones and photopolymerizable compositions including the same
3	20030417	12	US 20030073754 A1	Aminobenzophenones and photopolymerizable compositions including the same
4	20030403	13	US 20030065049 A1	Aminobenzophenones and photopolymerizable compositions including the same
5	20030220	73	US 20030036183 A1	Serine threonine kinase member, h2520-40
6	20030206	11	US 20030028483 A1	System and method for funding a collective account
7	20030206	32	US 20030027322 A1	Helper virus-free herpesvirus amplicon particles and uses thereof
8	20021017	23	US 20020151501 A1	Compounds having growth hormone releasing activity
9	20020704	76	US 20020086812 A1	Methods and compositions for diagnosis and treatment of cancer
10	20020502	20	US 20020052317 A1	Anti-viral and anti-tumor chemotherapy by administration of erythropoietin
11	20020110	71	US 20020004749 A1	Customized food selection, ordering and distribution system and method
12	20021112	12	US 6479706 B1	Aminobenzophenones and photopolymerizable compositions including the same
13	20021022	20	US 6468974 B1	Compounds having growth hormone releasing activity
14	19990720	11	US 5926093 A	Drive circuit for reactive loads

	Issue Date	Pages	Document ID	Title
15	19990622	14	US 5914692 A	Multiple loop antenna with crossover element having a pair of spaced, parallel conductors for electrically connecting the multiple loops
16	19980707	19	US 5776901 A	Polypeptide analogues having growth hormone releasing activity
17	19980609	21	US 5763404 A	Methods for using LHRH antagonists with low histamine release
18	19970902	14	US 5663146 A	Polypeptide analogues having growth hormone releasing activity
19	19960709	8	US 5534494 A	Polypeptide compounds having growth hormone releasing activity
20	19960123	13	US 5486505 A	Polypeptide compounds having growth hormone releasing activity
21	19951128	20	US 5470947 A	CHRH antagonists with low histamine release
22	19910219	36	US 4995053 A	Remote control system, components and methods
23	19900605		US 4932037 A	Remote control system, components and methods
24	19891114		US 4880778 A	Combinations having synergistic growth hormone releasing activity and methods for use thereof
25	19891031		US 4877616 A	Process for preparing xerosin II and xerosin III, improved biological response modifiers
26	19890905		US 4864588 A	Remote control system, components and methods
27	19890613		US 4839344 A	Polypeptide compounds having growth hormone releasing activity
28	19880126		US 4721775 A	Effective peptides related to the luteinizing hormone releasing hormone from L-amino acids

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29	19870407		US 4656247 A	Effective hormonal peptides: D-3-QA1 6-LHRH
30	19870210		US 4642332 A	Effective hormonal peptides: D-3-Pal.sup.6 -LHRH
31	19770329		US 4014901 A	Synthetic hormones for insect control
32	19760720		US 3970688 A	Synthetic hormones for insect control
33	19760601		US 3960902 A	Synthetic hormones for insect control
34	19760525		US 3959264 A	Synthetic hormones for insect control
35	19760203		US 3936475 A	Synthetic hormones for insect control
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37	19751223		US 3928619 A	Certain terpenoid compounds for insect control
38	19751021		US 3914429 A	Certain epoxy compounds for insect control
39	19750923		US 3908016 A	Synthetic hormones for insect control

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40	19750909		US 3904763 A	Synthetic terpenoid compounds for insect control
41	19741203		US 3852472 A	CERTAIN ETHERS OF OPEN CHAIN TERPENOIDS AS INSECT CONTROL AGENTS
42	19730403		US 3725551 A	INSECT CONTROL PROCESS WITH SYNTHETIC HORMONES

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1	L1	47287	serine or threonine
2	L2	44278	kinase\$2
3	L3	5826	l1 same l2
4	L4	595126	clon\$3 or express\$3 or recombinant
5	L5	2375	l3 same l4
6	L6	389872	human
7	L7	812	l5 same l6
8	L8	1514	bowers.in.
9	L9	210	boylan.in.
10	L10	1723	l8 or l9
11	L11	0	l7 and l10
12	L12	91272	wound adj healing or cancer

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